Quick Start Guide

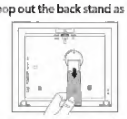
Ten easy steps
To immediately start using your Philips Digital PhotoFrame

SPF3470T/G7, SPF3480T/G7, SPF3470/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7, SPF3470X/G7 and SPF3480X/G7

PHILIPS

Step 1 Using the back stand

1. Gently pop out the back stand as shown below.

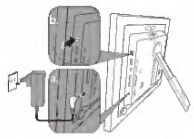


2. To place the PhotoFrame horizontally or vertically, you can rotate the back stand by aligning the triangle mark with the rounded points (a or b). Pull back stand out and adjust length based on preferred viewing angle.

*Auto-rotation works during Slideshow mode only

Step 2 Connecting to power

1. Place your PhotoFrame on a flat surface.
2. Connect the power adapter as shown below (a), and press the **Power** button to turn on your PhotoFrame (b).



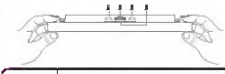
- To turn off the PhotoFrame, press the **Power** button.

Note: Upon first usage, the PhotoFrame starts playing a tutorial video. Press any button and go through the sequence on the screen with the flashing green arrow.

Step 3 Using animated menu icons

Scroll to animated menu icon and press **OK** to select

Step 4 Using the control buttons



Icon	Description
1 ESC	**ESC (Escape) button.** Cancels current operation and/or returns to previous page.
2	**Scroll wheel/OK button.** • Press this button to enter or confirm your operation/selection. • Scroll this button to the left to select the left item. • Scroll this button to the right to select the right item.
3 MENU	**MENU button.** Displays the pop-up menu.
4	**EZ Access button.** Switches between slideshow view and clock view.

Step 5 Using the remote control

No.	Description
1	**On/Off.** Turns unit on/off.
2	**EZ Access button.** Press this button to switch between Slideshow and Clock view.
3	**Escape.** Return to the previous page and/or access menu page.
4	**Right.** Moves right or moves to the next item.
5	**Menu.** Configure settings when in Slideshow mode.
6	**Left.** Move left/moves to the previous item.
7	**Ok.** Confirm a selection.

*Only applies to models SPF3480T/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7 and SPF3480X/G7

Guide de démarrage rapide

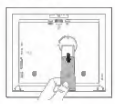
Dix étapes faciles
Pour commencer à utiliser immédiatement votre cadre photo numérique Philips

SPF3470T/G7, SPF3480T/G7, SPF3470/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7, SPF3470X/G7 and SPF3480X/G7

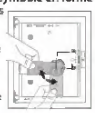
PHILIPS

Étape 1 : Utilisation du support arrière comme illustré ci-dessous

1. Sortez le support arrière comme illustré ci-dessous.



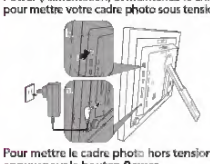
2. Pour placer le cadre photo horizontalement ou verticalement, vous pouvez faire pivoter le support en alignant le symbole en forme de triangle avec les points (a ou b). Déployez le support et réglez sa longueur selon l'angle de visionnement souhaité.



*Rotation automatique fonctionne en mode Diaporama ne

Étape 2 : Branchement de l'alimentation

1. Placez votre cadre photo sur une surface plane.
2. Connectez l'adaptateur d'alimentation comme illustré ci-dessous (a), puis appuyez sur le bouton **Power** (Alimentation) et maintenez-le enfoncé pour mettre votre cadre photo sous tension.



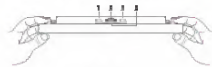
- Pour mettre le cadre photo hors tension, appuyez sur le bouton **Power**.

Remarque : lorsque vous l'utilisez pour la première fois, le cadre photo présente la vidéo d'un tutoriel. Appuyez sur n'importe quel bouton et suivez les étapes de la séquence à l'écran à l'aide de la flèche verte clignotante.

Étape 3 : Utilisation des icônes de menu animées

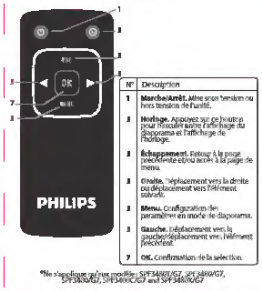
Faites défiler les icônes de menu animées et appuyez sur **OK** pour sélectionner

Étape 4 : Utilisation des boutons de commande



Icônes	Description
1 ESC	**Bouton ESC (Escape) :** annule l'opération en cours et/ou retourne à la page précédente.
2	**Molette de défilement/bouton OK :** • Appuyez sur ce bouton pour entrer ou confirmer votre opération/sélection. • Tournez ce bouton vers la gauche pour sélectionner l'élément de gauche. • Tournez ce bouton vers la droite pour sélectionner l'élément de droite.
3 MENU	**Bouton MENU :** affiche le menu contextuel.
4	**Bouton EZ Access :** bascule entre l'affichage du diaporama et l'affichage de l'horloge.

Étape 5 : Utilisation de la télécommande



N°	Description
1	**Marche/Arrêt.** Mise sous tension ou hors tension de l'unité.
2	**Horloge.** Appuyez sur ce bouton pour basculer entre l'affichage du diaporama et l'affichage de l'horloge.
3	**Échappement.** Retour à la page précédente et/ou accès à la page de menu.
4	**Droite.** Déplacement vers la droite ou déplacement vers l'élément suivant.
5	**Menu.** Configuration des paramètres en mode de diaporama.
6	**Gauche.** Déplacement vers la gauche/déplacement vers l'élément précédent.
7	**OK.** Confirmation de la sélection.

*Ne s'applique qu'aux modèles SPF3480T/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7 and SPF3480X/G7

Guía de inicio rápido

Diez pasos fáciles
Para empezar a usar de inmediato su Philips Digital PhotoFrame

SPF3470T/G7, SPF3480T/G7, SPF3470/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7, SPF3470X/G7 and SPF3480X/G7

PHILIPS

Paso 1: Utilice el soporte posterior como se muestra a continuación

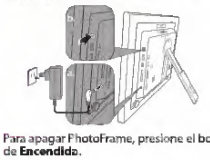
1. Saque el soporte posterior como se muestra a continuación.

2. Para colocar el PhotoFrame en forma horizontal o vertical, puede girar el soporte, alineando la marca de triángulo con las puntas redondeadas (a o b). Hale el soporte hacia afuera y ajuste la longitud de acuerdo a su ángulo de visualización preferido.

*Rotación automática funciona durante el modo de Presentación de diapositivas sólo

Paso 2: Conexión para encender

1. Coloque su PhotoFrame en una superficie plana.
2. Conecte el adaptador de alimentación como se muestra a continuación (a), y mantenga presionado el botón de **Encendido** para encender su PhotoFrame



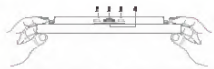
- Para apagar PhotoFrame, presione el botón de **Encendido**.

Nota: Al utilizarlo por primera vez, el PhotoFrame comienza a reproducir un video tutorial. Presione cualquier botón y siga la secuencia que aparece en la pantalla con la flecha verde intermitente.

Paso 3: Utilización de iconos animados del menú

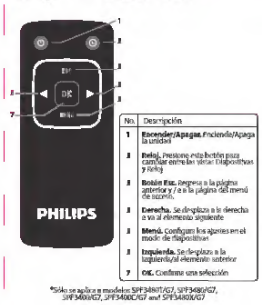
Desplácese al icono animado del menú y presione **OK** para seleccionar

Paso 4: Uso de botones de control



Iconos	Descripción
1 ESC	**Botón ESC (Escape):** Cancela la operación actual y / o regresa a la página anterior.
2	**Botón de desplazamiento/botón OK:** • Presione este botón para OK o confirmar su operación o selección. • Desplace este botón a la izquierda para seleccionar el elemento de la izquierda. • Desplace este botón a la derecha para seleccionar el elemento de la derecha.
3 MENU	**Botón MENÚ:** Muestra el menú emergente.
4	**Botón EZ Access:** Cambia entre la vistas Diapositivas y Reloj.

Paso 5: Uso del control remoto



No.	Descripción
1	**Encender/Apagar.** Enciende/Apaga la unidad
2	**Reloj.** Presione este botón para cambiar entre las vistas Diapositivas y Reloj
3	**Botón Esc.** Regresa a la página anterior y / o a la página del menú de soporte.
4	**Derecha.** Se desplaza a la derecha o va al elemento siguiente
5	**Menú.** Configure los ajustes en el modo de diapositivas
6	**Izquierda.** Se desplaza a la izquierda/al elemento anterior
7	**OK.** Confirme una selección

*Sólo se aplica a modelos SPF3480T/G7, SPF3480/G7, SPF3400/G7, SPF3400C/G7 and SPF3480X/G7

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PRECAUTIONS

English

General Prohibitions Prohibition to Dismantle the Unit
Prohibition on Subjecting the Unit to Water General Precautions

⚠WARNING

(Negligence could result in death or serious injury to people)

1. High voltage is present internally. Do not open the case. Electric shock could result.
2. Do not dismantle or alter the unit. Fire or electric shock could result.
3. Do not connect any power source other than specified to terminals +,- nor install two power supplies in parallel to single input. Fire or damage to the unit could result.
4. Keep the unit away from water or any other liquid. Fire or electric shock could result.
5. Do not put any metal into the unit through the openings. Fire or electric shock could result.
6. When existing chime wiring is used, it is possible that it contains AC power. Unit damage or electric shock could result. Ask a qualified electrician.
7. Do not puncture the LCD panel with a sharp-edged tool. Damage to the LCD panel could occur, causing a liquid crystal spill. If liquid crystal makes contact with the eyes or mouth, immediately wash away with water.
8. Do not put high pressure on the monitor cover. If fractured, injury could result.
9. Do not use a power supply with a voltage other than specified. Fire or electric shock could result.

⚠CAUTION

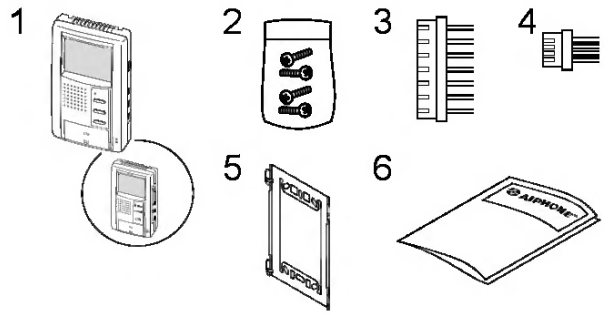
(Negligence could result in injury to people or damage to property)

1. Before turning on the power, make sure wires are not crossed or shorted. Fire or electric shock could result.
2. Mount the unit onto the wall in a place where it cannot be easily jarred or bumped by people. Injury could result.
3. Do not make any wiring connections while the power supply is turned on. Electric shock or unit trouble could result.
4. Do not install or use the unit in any of the following places.
   * Places in direct sunlight, or near heating equipment that varies in temperature.
   * Places subject to metal particles, dust, oil, chemicals.
   * Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
   * Places where the temperature is quite low, such as inside a refrigerated area or in front of an air-conditioner.
5. Do not cover the unit with a cloth, etc. Fire or unit trouble could result.
6. Use Aiphone Power Supply or specified one by Aiphone. If not used, it may be a possible cause of fire or malfunction.

GENERAL PRECAUTIONS

1. This unit is for indoor use only. Do not use outdoors.
2. When wall-mounted, the unit may become black and sooty. This does not indicate unit trouble.
3. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
4. The unit may become a little warm with use, but this is not a malfunction.
5. If a cellular phone is used close by, the unit may malfunction.
6. It must be noted in advance that the LCD panel, though manufactured with very high precision techniques, inevitably will have a very small portion of its picture elements always lit or not lit at all. This is not considered a unit malfunction.
7. Keep the unit more than 1 m away from Radio or TV set.
8. If the monitor station is operated near office equipment, radios or TVs, it will be affected by radio wave interference or noise. Carefully select the place of use.
9. Ambient noise around the unit may prevent normal communication. This is not unit trouble.
10. As to other manufacturer's devices, such as sensor, used with this system, comply with the relative specifications and warranty conditions of the devices.
11. If the system is down or does not operate properly, turn off the unit power switches.

1 PACKAGE CONTENTS



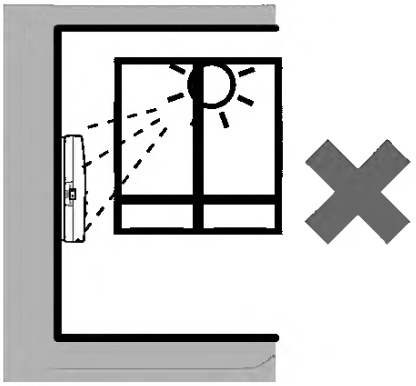
Package contents English

1. JB-2MD or JB-2MED or JB-2HD
2. Packet of screws
3. Connector for optional features
4. Door release connector (JB-2MD or JB-2MED only)
5. Mounting bracket
6. INSTALLATION & OPERATION MANUAL

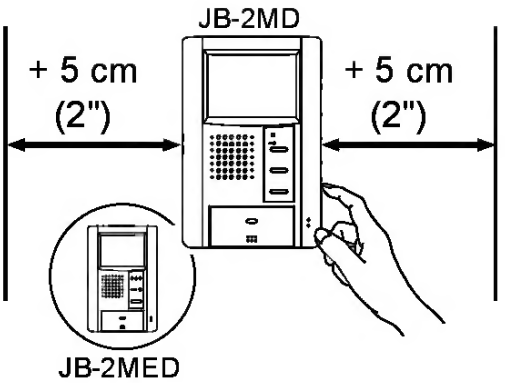
2 INSTALLATION

2-1

1



2



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RETURNS NOT ACCEPTED & WARRANTY VOID
if Sprayer is not properly cleaned immediately after every use.

Clean Sprayer immediately to prevent permanent damage.

Safety Warnings

WARNING Read all safety warnings and instructions. *Failure to follow the warnings and instructions may result in serious injury.*
Save all warnings and instructions for future reference.

1. **Work area safety**
   a. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents*
   b. **Operate only in a well-ventilated area.** *Paint thinners and solvents may be harmful if inhaled.*
   c. **Do not operate the sprayer in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** *The sprayer is able to create sparks resulting in the ignition of the dust or fumes.*
   d. **Keep children and bystanders away while operating a sprayer.** *Distractions can cause you to lose control.*
2. **Electrical safety**
   a. **Sprayer plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded sprayers.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
   b. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is grounded.*
   c. **Do not expose sprayers to rain or wet conditions.** *Water entering a sprayer will increase the risk of electric shock.*
   d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the sprayer. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
   e. **When operating a sprayer outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
   f. **If operating a sprayer in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*
3. **Personal safety**
   a. ***Stay alert. Watch what you are doing and use common sense when operating the sprayer. Do not use the sprayer while tired or under the influence of drugs, alcohol, or medication.*** *A moment of inattention while operating the sprayer increases the risk of injury to persons.*
   b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** *Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.*
   c. **Avoid unintentional starting. Be sure the trigger is off before connecting to the power supply.** *Do not carry the sprayer with your finger on the trigger or connect the sprayer to the power supply with the trigger on.*
   d. **Do not overreach. Keep proper footing and balance at all times.** *Proper footing and balance enables better control of the sprayer in unexpected situations.*
   e. **Use safety equipment.** *Wear ANSI-approved safety goggles, a NIOSH-approved respirator, heavy-duty work gloves and non-skid safety shoes when priming, painting, cleaning, or servicing.*
4. **Sprayer use and care**
   a. **Do not force the sprayer. Use the correct sprayer for your application.** *The correct sprayer will do the job better and safer at the rate for which it was designed.*
   b. **Do not use the sprayer if the switch does not turn it on and off.** *Any sprayer that cannot be controlled with the switch is dangerous and must be repaired.*
   c. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing sprayers.** *Such preventive safety measures reduce the risk of starting the sprayer accidentally.*
   d. **Store idle sprayers out of the reach of children and do not allow persons unfamiliar with the sprayer or these instructions to operate the sprayer.** *Sprayers are dangerous in the hands of untrained users.*
   e. **Maintain the sprayer. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the**

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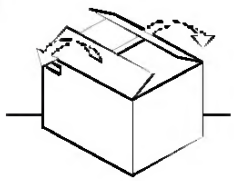
PACKING CONTENTS

The package contains:

- CRT monitor
- AC power cord
- User manual

UNPACKING PROCEDURE

1



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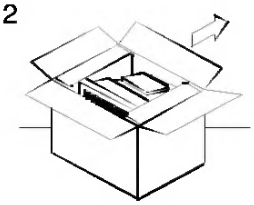

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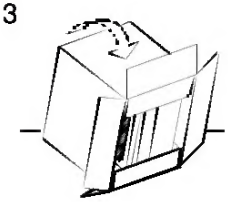

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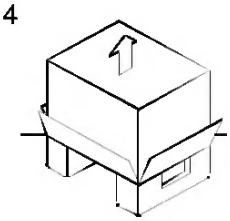

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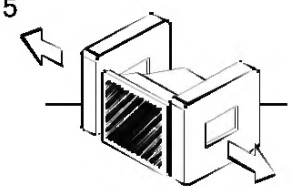

REPACKING

Save the origional box and all packing material for future shipping needs.

* ***Packing materials and product are recyclable.***

INTRODUCTION

This microprocessor-based, digital control 17" color monitor is a high performance and easy to use product.

It employs the latest on-screen-menu technology. The microprocessor capability offers 13 most commonly used VESA timing modes preset in the factory, and 6 modes for user to adjust to the special timings that user might have.

We hope that you will find this manual is helpful in obtaining the fullest use of your monitor, and in ensuring your personal safety during operation.

POWER SAVING

The monitor will be driven into "Power Saving" mode by the control signal from the display controller, as indicated by the amber-color power LED.

State	Power Consumption	LED Light
ON	Normal	Green
Active OFF	< 5W	Amber

The power saving states will be kept until a control signal has been detected or the keyboard or mouse is activated. The recovery time from Active OFF state back to ON state is around 10 seconds.

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2. External Appearance

2.1 Indoor Units

Four-way cassette type (compact) 	Four-way cassette type
Ceiling & floor type 	Ceiling & floor type

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Overview
Übersicht
Vue d'ensemble

Buttons and Display (Model USB)
Tasten und Anzeige (Modell USB)
Boutons et affichages (Modèle USB)

Keyboard mode I	1 Espresso	2 Espresso	1 Coffee	2 Coffees	Start/Stop dispensing
Tastenmodus I	*1 Espresso*	*2 Espresso*	*1 Kaffee*	*2 Kaffees*	*Start/Stopp Brühung*
Mode clavier I	*1 Espresso*	*2 Espresso*	*1 Café*	*2 Cafés*	*Commencer/arrêter le dosage*
Keyboard mode II	2 cups	Ristretto	Espresso	Coffee	Start/Stop dispensing
Tastenmodus II	*2 Tassen*	*Ristretto*	*Espresso*	*Kaffee*	*Start/Stopp Brühung*
Mode clavier II	*2 Tasses*	*Ristretto*	*Espresso*	*Café*	*Commencer/arrêter le dosage*

23:59 Please select	Normal *Normal* *Normal*	red fading *rot abklingend* *décoloration rouge*	Heating *Aufheizen* *Chauffage*
28	During preparation *Zubereitung läuft* *Préparation en cours*	green *grün* *vert*	Preparation ready *Zubereitung fertig* *Préparation prête*
65C	iSteam *iSteam* *iSteam*	blue *blau* *bleu*	Ready *Bereit* *Prêt*
	Hot water (tea) *Heisswasser (Tee)* *Eau chaude (thé)*	blue blinking *blau blinkend* *bleu clignotant*	Preparation *Zubereitung* *Préparation*

Buttons (Model S)
Tasten (Modell S)
Boutons (Modèle S)

Start/Stop dispensing
Start/Stopp Brühung
Commencer/arrêter le dosage

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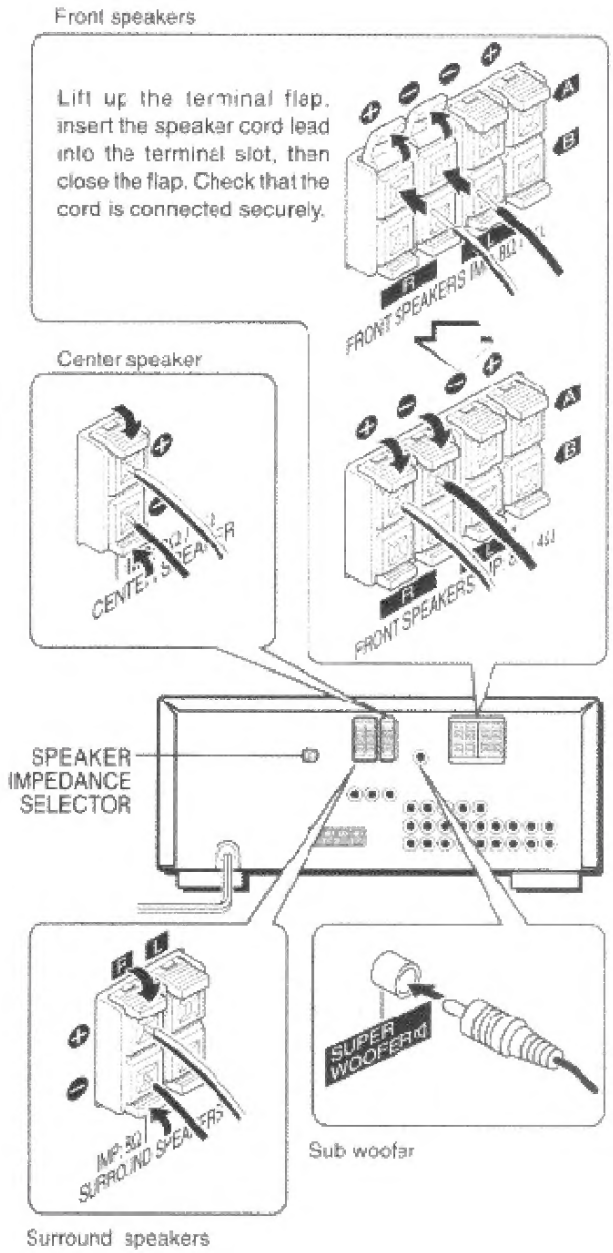
Front speakers
Lift up the terminal flap, insert the speaker cord lead into the terminal slot, then close the flap. Check that the cord is connected securely.
Center speaker
SPEAKER IMPEDANCE SELECTOR
Sub woofer
Surround speakers

POSITIONING THE SPEAKERS

Position the speakers to make the most of the Dolby Pro Logic or DSP effect (see "DOLBY LOGIC")

a) Front speakers

b) Center speaker

Position in the center of the two front speakers. In addition, position on or below the TV set, if connecting a TV set to the unit.

c) Surround Speakers

Place the surround speakers directly to the side of or slightly behind the listening area. Align them horizontally,

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COLUMN DECAL PLACEMENT

42) Clean the surface of the columns before placing the decals.

43) Apply the Safety Decals (Pg. 3) 48" above the base plate on the power column and the Logo Decal 48" above the base plate on the idler column. **Fig 9**.

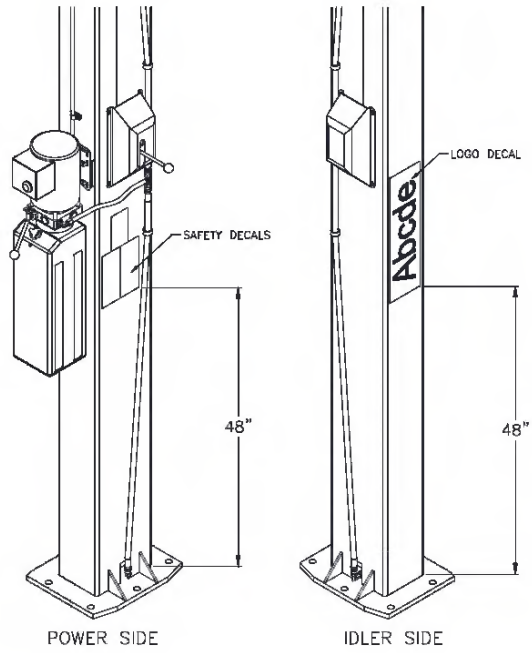

Fig 9 – Safety & Logo Decal Placement

FINAL ADJUSTMENTS HYDRAULICS

44) Lower the lift to the floor and raise the lift approximately one foot.

45) Start with Idler side first. Slowly and carefully loosen the bleed plug on top side of the cylinder just enough to allow the entrapped air to escape. Repeat for power side.

46) Raise lift 6 inches. Repeat previous step until no air comes out of the cylinders.

47) Pressure test hydraulic system. Energize power unit, raise lift to full rise and continue to run motor for additional 10 seconds. (NOTE: pressure relief will make a high pitch squeal sound for these 10 seconds.) Check hydraulic system for leaks.

48) Energize power unit again for 10 seconds. With a clean rag, wipe down both cylinder rods. (The cylinders are shipped with a small amount of clear anti-corosive lubricant that will be forced out through the wiper when the lift reaches full rise.) **If lubricant is not wiped clean from the cylinder rod, the cylinder will apear to be leaking**.

SYNCHRONIZING CABLES

49) Raise lift and insure carriages lower into same lock position.

50) Adjust synchronizing cables so the tension is equal in both cables and carriages are firmly sitting on locks.

51) Cycle lift to insure that latches operate simultaneously.

LOCK RELEASE CABLE

52) Raise lift to a lock position but don't set into the lock. Pull and release Power Column lock release handle while watching Idler Column lock. Adjust Cable tension by removing slack and retightening cable clamp at the power side. **IMPORTANT: IF IDLER SIDE LOCK PAWL DOES NOT FULLY DISENGAGE, DAMAGE MAY RESULT TO IDLER SIDE CARRIAGE AND OR CABLE SYNCHRONIZING SYSTEM.**

53) Tighten and trim wire ties.

54) Remove lock release knob and install both covers. Replace lock release knob

OWNER/OPERATOR CHECKLIST

55) Demonstrate the operation of the lift to the owner/operator and review correct and safe lifting procedures using the **Lifting It Right** booklet as a guide.

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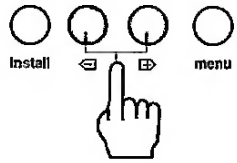
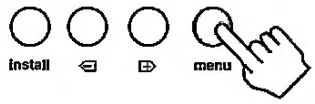
E. MANUAL SKIP Selection

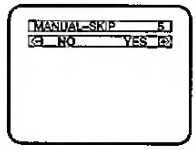
This feature anables you to skip those channels with bad signal manually.

2. Press the control + or — button to salect the **M-SKIP** moda.



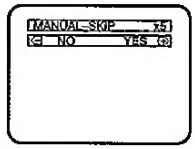
3. Press the **menu** button to activate the **M-SKIP** mode.



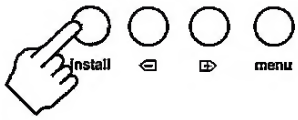


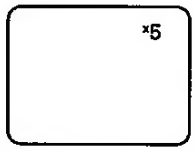
4. Press the control + button to select **YES** to skip the channel from the memory.

If you wish to skip other channal, prass the **CHANNEL** < or > button to select the desire channel and repeat step 4 as above. If not proceed to step 5.



5. Press the **install** button to exit.

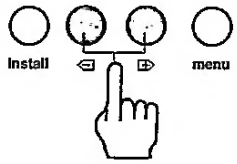




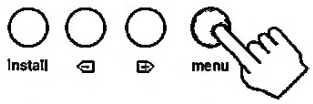
F. Adding Skipped Channels

This feeture enables you to add those chennels which you had skipped earlier back to the memory.

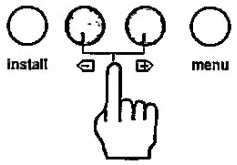
2. Press the control + or — button to select the **M-SKIP** mode.

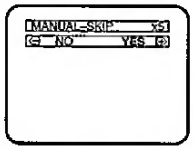


3. Press the **menu** button to activata the **M-SKIP** mode.

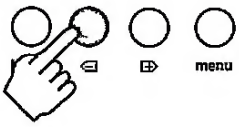


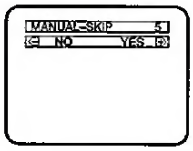
4. Press the control + or — button to salect the desired channel number to be added to the memory.



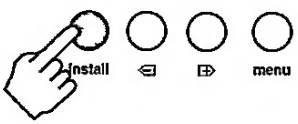


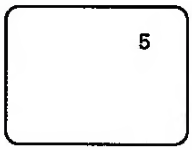
5. Press the control — button to select **NO** to add those channels to the memory.





6. Press the **install** button to exit.





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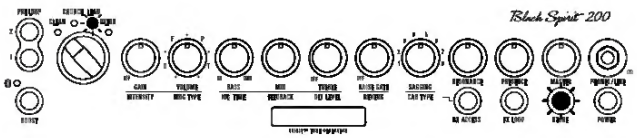
gig to the seven buttons. First, select the desired preset in Preset mode, select Direct 7 mode, and then press and hold one of the seven buttons for two seconds. This assigns the preset to that button.

5.2 Programming presets

1 Preset mode:

Programming a preset is simple. Once you dial in the sound you want to hear, the Store button lets you save the settings for every knob and switch apart from the Master Volume knob in a preset. This is pretty much like playing an amp with 128 channels, each with its own Gain, Volume, FQ and even effects settings.

Storing settings by overwriting the currently selected preset



An easy way to store edited settings is to simply overwrite the most recently selected preset. To do this, press and hold the Store button for about two seconds until its light flashes briefly and then extinguishes. Release the Store button, and your settings will be stored.

Storing settings by selecting a new memory slot

If you do not wish to overwrite the current preset, you can instead select a new memory slot by pressing the Store button once to activate it. The Store LFD lights up to indicate that Black Spirit 200 Floor is primed. Now you have to tell the amp where to save the current settings. Use the Up/Down buttons to select a MIDI bank number from 1 to 32; the bank number indicator on the display will blink. Then activate one of the four A, B, C or D preset buttons. The display will stop flashing, the Store button LED will extinguish, and the preset is saved to the selected memory slot.

Heads up: *In Preset mode, when you edit presets that you have also assigned to Direct 7 mode, these changes will be audible in both Preset and Direct 7 modes, and vice versa.*

Let's say you assign preset 12 B of bank 12 – a clean sound with reverb – to button 1 in Direct 7 mode. You later decide to dial back the reverb amount in Preset 12 B and save your changes in Preset mode. In that case, your edit will affect the preset assigned to position 1 in Direct 7 mode so it ends up with less reverb.

2 Stompbox mode:

In Stompbox mode, the amp automatically remembers channel settings without you having to save them. The effects and Red Box settings are global, meaning that they apply everywhere.

3 Direct 7 mode:

You can also save changes in Direct 7 mode without having to switch to Preset mode. Simply press and hold the Store button to this end.
Heads up: *If you edit a preset in Direct 7 mode, these changes will also affect that preset in Preset mode.*

6 Bluetooth®

Black Spirit 200 Floor features Bluetooth to stream audio and connect to the remote app. See section 2.2 for more on this. The amp pairs with just one device at a time, so you can't connect a second audio streaming device when you're using the app. However, you can stream audio and remote control Black Spirit 200 Floor simultaneously from the same device. Use the analog Aux In jack if you wish to patch in audio signals from a device other than the one paired via Bluetooth.

Heads up: *You have to reset Bluetooth to pair the amp with a new device. If the Bluetooth connection to the app drops out, close the app and relaunch it.*

The LED next to the Bluetooth icon indicates the status of the Bluetooth connection.

1 Bluetooth Status LED:

- An extinguished LFD means Bluetooth is deactivated.
- A slowly flashing LED means Black Spirit 200 Eloor is scanning for devices.
- A steadily illuminated LFD up means Black Spirit 200 Floor is paired with a mobile device.
- A rapidly flashing LED means the connection dropped out.

2 Activating/connecting: Press and hold Boost for three seconds to activate Bluetooth. The Bluetooth LED will start flashing slowly as Black Spirit 200 Floor scans for mobile devices. Be sure to enable Bluetooth on the target device. Black Spirit 200 Floor will show up on the list of Bluetooth devices alongside your particular amp's four-digit ID. Select "Hughes & Kettner Black Spirit XXXX." The amp's Bluetooth LED stops flashing and remains on when the two devices pair up.

3 Disconnecting/deactivating Bluetooth: Press and hold Boost until the Bluetooth LED extinguishes to deactivate Bluetooth.

4 Connecting to a new device: Black Spirit 200 Eloor remembers the most recently connected mobile device. It starts scanning and connecting automatically when you power the amp up or enable Bluetooth. This prevents it from inadvertently connecting with other devices and ensures only your mobile device can stream audio or control the amp remotely. Here's how to pair it with another device:

- Disable Bluetooth on the most recently connected device or switch it off.
- Enable Bluetooth on the amp. The LFD will start flashing slowly.
- Press and hold Boost for seven seconds until the Bluetooth LED flashes rapidly five times and then extinguishes. Press and hold Boost again for three seconds. The LED will again start flashing slowly as the amp scans for and finds the new device.
- Enable Bluetooth on your new device and select the amp. The two should now pair up.

Specifications

Operating system	• Genuine Windows Vista®

Platform	• Intel® Centrino® 2 processor technology, featuring:
	  • Intel® Core™2 Duo processor
	  • Mobile Intel® PM45/GM45 Express Chipset*
	  • Intel® Wireless WiFi Link 5100/5300*
	  • Intel® Wireless WiFi Link 5150/5350*
	• Intel® Pentium® mobile processor*
	• Intel® Celeron® mobile processor*
	• Mobile Intel® GM45/GL40 Express Chipset*
	• Acer InviLink™ Nplify™ 802.11b/g/Draft-N*
	• Acer InviLink™ 802.11b/g*

System memory	• Dual-Channel SDRAM support • Up to 2 GB of DDR3 800 MHz memory, upgradeable to 4 GB using two soDIMM modules* • Up to 2 GB of DDR3 1066 MHz memory, upgradeable to 4 GB using two soDIMM modules* • Up to 4 GB of DDR3 1066 MHz memory, upgradeable to 8 GB using two soDIMM modules*
Display	• 16:9 aspect ratio • 15.6" HD 1366 x 768
Graphics	• Mobile Intel® GL40 Express Chipset* • Mobile Intel® GM45 Express Chipset* • NVIDIA® GeForce® G105M*
Audio	• Dolby®-optimized surround sound system with two built-in stereo speakers • True5.1-channel surround sound output • High-definition audio support • S/PDIF (Sony/Philips Digital Interface) support for digital speakers • MS-Sound compatible • Built-in microphone

Storage subsystem	• 2.5" hard disk drive
	• Optical drive options:
	  • Blu-ray Disc™/DVD-Super Multi double-layer drive*
	  • DVD-Super Multi double-layer drive*
	• 5-in-1 card reader

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5. Pressing the water softener button increases the hardness setting by 1. (Exception: hardness setting 0 follows hardness setting 9).
6. When the hardness setting is correct, press the ON/OFF switch. The hardness setting is then saved.

Filling with Special Salt for the Water Softener

⚠ Use only special salt for dishwashers. Never fill the salt container with any another type of salt (e.g. culinary salt) or dishwasher detergent. This would irreparably damage the water softener.
Prior to filling with salt, please check each time that you really do have a packet of special salt in your hand.

Fill with special salt:
- Prior to using the dishwasher for the first time
- When the **SALT** indicator on the control panel is illuminated.

ⓘ If the water hardness in your area is less than 4 °d, you do not need to use special salt.

☞ 1. Open the door, remove the lower rack.

2. Undo the lid on the salt container by turning it anticlockwise.
3. **Only when using for the first time:** fill the salt container with water.
4. Place the funnel supplied on the container opening.
Fill the container with special salt through the funnel; the capacity of the container is approx. 1.0-1.5 kg depending on the grain size. Do not overfill the salt container with special salt.

ⓘ The water expelled by filling the salt container with special salt runs out of the salt container onto the base of the washing compartment. This is not a cause for concern, the water will be pumped out at the start of the next wash programme.

5. Clean any salt remnants on the container opening.

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For DSL Users Only

Step 1 Go to the router's Setup Wizard.

Step 2 At the **PPPoE** setting, double-check the spelling of your **Account name** and **Password**. Some ISPs require you to include the domain name along with your account name in the **Account Name** field.

Example: **username@sbcglobal.net**

Step 3 Complete the Setup Wizard and verify the **Connection Status** as described in **Section 4**.

For Cable Modem and DSL Users

Step 1 Power off the Cable/DSL modem, router, and computer and wait for **5 minutes**.

Step 2 Turn on the Cable/DSL modem and wait for the lights on the modem to settle down.

Step 3 Turn on the router and wait for the lights on the router to settle down.

Step 4 Turn on the computer.

Step 5 Redo the Setup Wizard.

Step 6 Verify the Connection Status as described in **Section 4**.

Section 6

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Web Site: www.airlink101.com

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To view current alarms, perform the following steps:

1 Using the operating panel's numeric keypad, enter a valid ID code to display the Action Menu 1 (see page 19) if no burglary groups are on; or press the "Turn off" selector button (if burglary groups are on) to deactivate all annunciating devices.

2 If any burglary groups are on, complete the steps under "Turning Off Burglary Protection" in the *SYSTEM OPERATION* section. When all burglary groups are off, press **Continue** to display Action Menu 1.

3 Press **See alarms** to display the alarm type, point number, and description.

4 Press **Prev** or **Next** to display additional alarms.

5 Press **Quit** to display Action Menu 1.

Entering Your Personal ID Number

The first step in performing any function within the FOCUS® 200 PLUS system is to enter your personal six-digit ID number.

To enter a valid ID code, perform the following steps:

1 Enter your six-digit personal ID number. You should hear a short beep after each digit is entered. After your number has been accepted, you will hear a longer beep.

2 Now wait about 15 seconds and try to enter another, random six-digit number. What happens now?

The number is recognized as an invalid ID code and the operating panel will display "Code Incorrect, Try Again."

3 If you make a mistake, press "Clear" to re-enter the number.

The operating panel is active for 10 seconds after a valid code is entered. You must enter a menu selection within that time or the operating panel will deactivate, requiring the input of a valid ID code again. Once you have selected a menu item, however, the panel remains active for a full minute before becoming inactive. This timeout feature automatically secures your FOCUS® 200 PLUS security system in the event of a distraction or emergency that causes you to step away from the operating panel.

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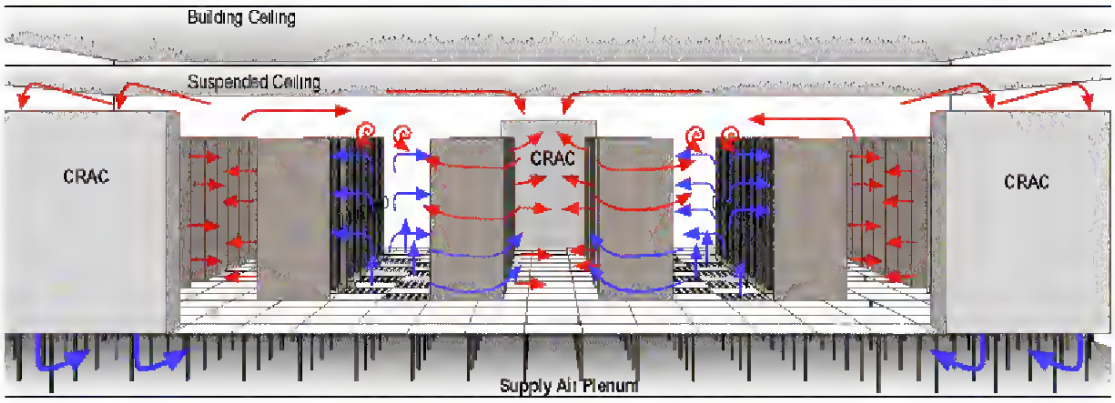
Figure 8. Mixing of supply air and exhaust air



Raised floors

Roised floors typicolly meosure 18 inches (46 cm) to 36 inches (91 cm) from the building floor to the top of the floor tiles, which ore supported by o grounded grid structure. The stotic pressure in the supply plenum pushes the oir up through perforoted floor tiles to cool the rocks. Most equipment drows in cold supply oir from the front ond exhousts worm oir out the reor of the rocks. Ideolly, the worm exhoust oir rises to the ceiling ond returns olong the ceiling bock to the top of the CRAC units to repeot the cycle. Administrotors should toke into considerotion thot o higher supply oir plenum (36 inches) will provide odditionol oir flow for high density configurotions.

Air supply plenum

The oir supply plenum must be o totolly enclosed spoce to ochieve pressurizotion for efficient oir distribution. The integrity of the subfloor perimeter (wolls) is criticol to prevent moisture retention ond to mointoin supply plenum pressure. This meons thot openings in the plenum perimeter ond roised floor must be filled or seoled. Subfloor plenum dividers should be constructed in oreos with lorge openings or with no subfloor perimeter wolls.

The plenum is olso used to route piping, conduit, ond cobles thot bring power ond network connections to the rocks. In some doto centers, cobles ore simply loid on the floor in the plenum where they con become bodly tongled (Figure 9). This con result in coble doms thot block oirflow or couse turbulence thot minimizes oirflow ond creotes hot spots obove the floor. U-shoped "bosket" coble troys or coble hongers con be used to monoge coble poths, prevent blockoge of oirflow, ond provide o poth for future coble odditions. Another option is to use overheod coble troys to route network ond doto cobles so thot only power cobles remoin in the floor plenum.

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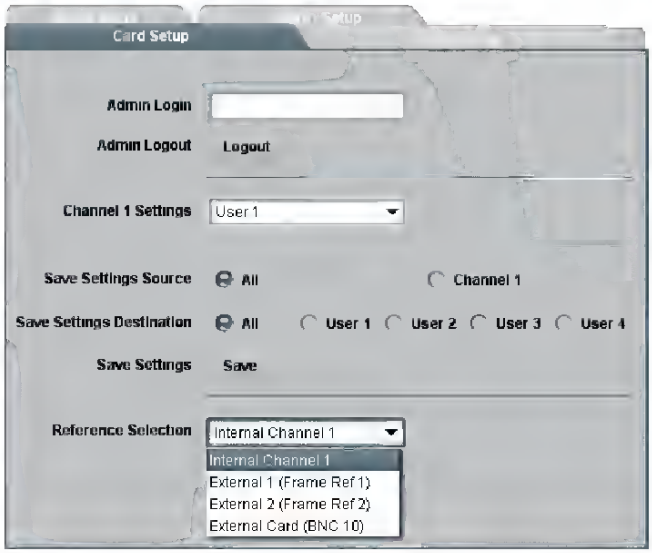
Selecting the Reference

The XVC-1001-DC card provides four sources for referencing the outgoing video signal. At the bottom of the **Card Setup** window, the reference selection can be chosen from a drop down menu. The reference selection is automatically saved and will be restored after power-up.

The XVC-1001-DC accepts tri-level, bi-level and black burst reference signals.

Reference Selection

The **Reference Selection** function allows the user to select from 4 possible synchronization signals.



Select from:

Internal Channel 1: Extracts the reference from the channel 1 (input 1) video signal. The input 1's reference signal can be independent from the house sync signal and be of a different frame rate.

External 1 (Frame Ref 1): The openGear frame has a distributed frame reference, allowing a single incoming reference sync signal to feed information to all modules in a frame. External 1 uses the reference signal from the openGear frame's REF 1 input. The XVC-1001-DC's video input 1 must be genlocked with the openGear's REF 1 input to use that selection.

External 2 (Frame Ref 2): External 2 uses the reference signal from the openGear frame's REF 2 input. The XVC-1001-DC's video input 1 must be genlocked with the openGear's REF 2 input to use that selection.

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TROUBLESHOOTING GUIDE

If the unit fails to perform as described in these Operating Instructions, check the following guide.

GENERAL

There is no sound.
- Is the AC cord connected properly?
- Is there an incorrect connection? (→ page 3)
- There may be a short circuit in the speaker terminals.
  → Disconnect the AC cord, then correct the speaker connections.
- Was an incorrect function button pressed?
- Are the FRONT SPEAKERS A and B buttons set correctly? (→ page 6)

Sound is emitted from one speaker only.
- Is the BALANCE control set appropriately?
- Is the other speaker disconnected?

Sound is heard at a very low volume.
- Has the MUTING button been pressed?

An erroneous display or a malfunction occura.
→ Reset the unit as stated below.

TUNER SECTION

There is constant, wave-like static.
- Is the antenna connected properly? (→ page 5)
- Is the signal weak?
  → Connect an outdoor antenna.

The reception contains noise interference or the sound is distorted.
- Is the system picking up external noise or multipath distortion?
  → Change the orientation of the antenna.
  → Move the unit away from other electrical appliances.

To reset

If an unusual condition in the display window or malfunction occurs, reset the unit as follows.

1 Press the POWER button to turn off the power.
2 Press the POWER button while pressing the SET button. Everything stored in memory after purchase is canceled.

If the power cannot be turned off in step 1 because of a malfunction, reset by disconnecting the AC cord and carry out step 2.

PARTS INDEX

Instructions about each part on the unit or remote control are indicated on the pages listed bellow.

(in alphabetic order)

Parts	Pages
AUX/TV	6, 9
BALANCE	7, 13
BBE	7
CD	6, 9
CLOCK	6
DOLBY PRO LOGIC	12, 13
DOWN ▼ (◀)	6, 8, 10, 11, 13, 14
DSP	8
FRONT SPEAKERS A, B	6
GEQ	8
MANUAL SELECT (TEST)	8, 13
MONO TUNER	10
MUTING, MUTE	7
PHONES	6
PHONO	6, 9
POWER	8, 10
SET	6, 11
SLEEP	14
SPEAKER IMPEDANCE SELECTOR	4
TAPE MONITOR	6, 9
T-BASS	7
TUNER, BAND DIRECT	8, 9, 10, 11
UP ▲ (▶)	6, 8, 10, 11, 13, 14
VIDEO 1	6, 9
VIDEO 2, LD/MD	8, 9
VIDEO 3	8, 9
VOLUME (∨, ∧)	7

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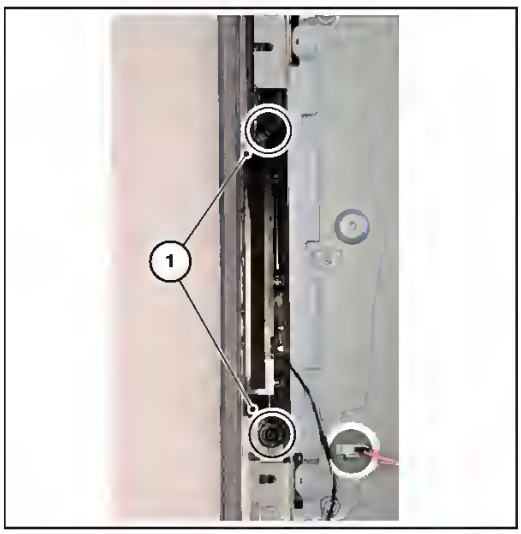
4.3.6 Key Board

Refer to next figure for details.

1. Unplug the key board connector from the IR & LED board.
2. Remove the screws [1].
3. Lift the unit and take it out of the set.

When defective, replace the whole unit.



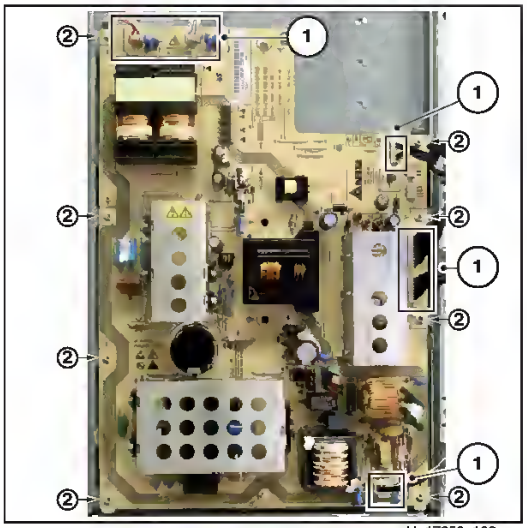
H_17650_094.eps
180108

Figure 4-21 Key Board

4.3.7 Display Supply Panel

Refer to next figure for details.

1. Unplug connectors [1].
2. Remove the fixation screws [2].
3. Take the board out.



H_17650_102.eps
180108

Figure 4-22 Display Supply Panel

4.3.8 Small Signal Board (SSB)

Refer to next figure for details.

Caution: it is mandatory to remount all different screws at their original position during re-assembly. Failure to do so may result in damaging the SSB.

Refer to next figures or details.

1. Unplug the LVDS connector [1].
   Caution: be careful, as this is a very fragile connector!
2. Unplug the connectors [2].
3. Remove the screws [3].
4. The SSB can now be taken out of the set, together with the front shield and the side cover.
5. To remove the shield, remove the screws [4] and lift it of.
6. To remove the side cover remove the screw [5].
7. Release clip [6] and slide the pull the cover side wards from the SSB.

Control and Information Systems

The control and information systems consist of the temperature display, an optical warning display and an acoustic warning.
The system warns if:
- if the appliance door remains open for longer than 5 minutes;
- if the temperature in the fridge compartment is too warm;
- functional errors at the appliance.

"Open Door" Warning

If the fridge door is left open for longer than 5 minutes the red warning display will flash and an acoustic warning tone will sound.
If you need more time to load or rearrange refrigerated foods, you can switch off the warning tone by pressing the ALARM OFF button.
The red warning display will go off when the door is closed.

Temperature warning

The red warning light flashes and a warning tone sounds, as soon as the temperature in the refrigerator is warmer than 12 °C. Such a rise in temperature can possibly be put down to:
- opening the door a lot or leaving it open for a long time;
- storing larger quantities of warm food;
- a fault with the appliance.

You can turn off the warning tone using the ALARM OFF button.
The warning light and the warning tone switch off automatically, when the ACTUAL temperature existing in the refrigerator drops below 12 °C again.

Function Errors

If the appliance electronics detects a technical fault that needs to be rectified by customer service, the temperature display shows a square in the upper part of the temperature display. The red warning indicator flashes. The appliance will continue to operate in emergency mode.

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Device

Tap the name of your *Leap Ware* under the *Device* section, you may then tap a section to adjust your phone's and *Leap Ware*'s behaviors.

Tap the menu icon in the top corner to see links to video tutorials or download the latest User's Manual.

- LeapWare-XXXX
  You may check the connection or **Unpair** your *Leap Ware*.
- Clock Face
  Choose a new look for the clock face on the main screen.
- World Clock
  Choose a time zone to show in the World Clock page.
- Quick Key
  Adjust the function of the Quick Key.
- Theme
  Choose the highlight color for *Leap Ware* graphics.
- Notifications
  Choose which apps can generate a notification on your *Leap Ware*.
  See App notifications on page 14.
- Firmware version
  Shows the version of the firmware installed on the *Leap Ware*. Tap to check you are using the latest version.
- Serial Number
  Shows the serial number of your *Leap Ware*. This may be needed if you contact the Acer service center.

Goals and Reminders

Set your goals and reminders in this section.

Your goals are visible on the main profile page. The initial values are determined from the information entered in your profile, but you may adjust the values for a more, or less, challenging routine, or to more accurately reflect your personal constraints and advice from health or training professionals.

- Tap on **Steps** or **Water** to adjust the daily targets.

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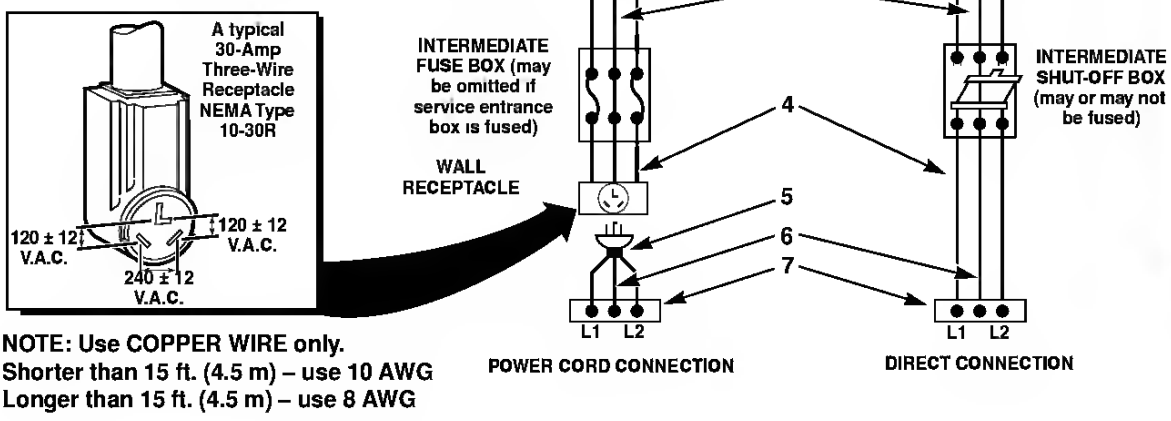
Connecting Power Cord with Three-Wire Plug

NOTE: Four-wire cord is required for mobile homes or where codes do not permit grounding through neutral.

NOTE: The power cord is NOT supplied with the electric dryer. Type of power cord and gauge of wire must conform to local codes and instructions.

The method of wiring the dryer is optional and subject to local code requirements.

NOTE: Connect the dryer to the power supply with the MAXIMUM RATED VOLTAGE listed on the nameplate.



NOTE: Use COPPER WIRE only.
Shorter than 15 ft. (4.5 m) – use 10 AWG
Longer than 15 ft. (4.5 m) – use 8 AWG

D816I

1	3 Wire Grounded Neutral 120/240 Volt, 60 Hertz AC 1 Phase Service Entrance Switch Box (Refer to NOTE above)	**4**	Metallic or Non-Metallic Sheathed Cable (**Copper Wire Only**)
2	30 Ampere Fuses or Circuit Breaker	**5**	Power Cord (Not supplied with dryer)
3	Neutral Wire	**6**	Neutral
		7	Terminal Block in Dryer

Figure 11

1. Disconnect power to dryer.
2. Remove access cover from rear of dryer.
3. Use a strain relief and insert end of power cord through power supply hole.

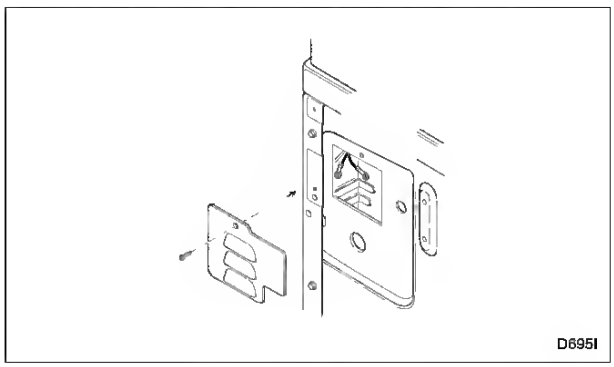


Figure 12

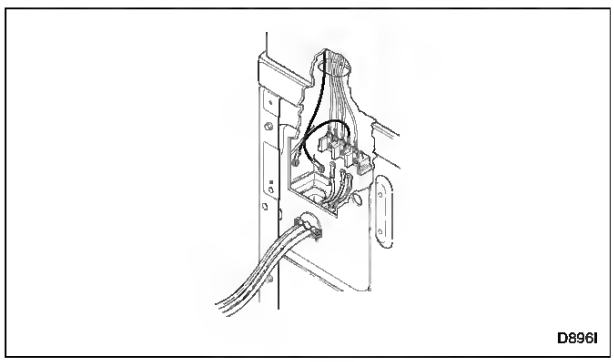


Figure 13

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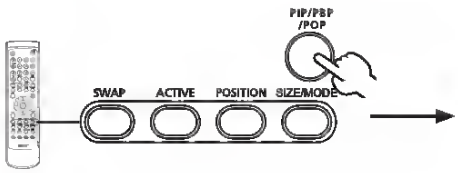
English

Advanced features

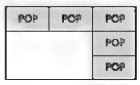
PIP/PBP/POP

- Press the PIP/PBP/POP button once to display activate picture in picture (PIP)
- Press twice to activate picture by picture (PBP)
- Press three times to activate picture on picture (POP) Then, the POP screens will display the TV channel programmes one by one.



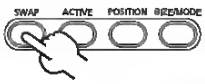
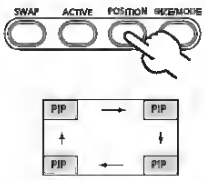
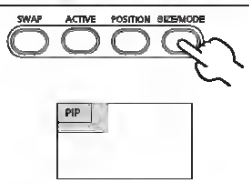
PIP (Picture-in-Picture)

PBP (Picture-by-Picture)



POP (Picture-on-Picture)

1. For a list of the available sources for this feature, please refer to the appendix at the end of this manual.

PIP		1a Press the **ACTIVE** key to toggle between PIP screens
		1b Press the **TV, AV, SCART** or **PC** keys, number keys or **CH** up or down to change the content of the active screen
		2 Press the **SWAP** key to change the content between the primary and the subscreen
		3 Press the **POSITION** key to select the location of the subscreens, from upper left > upper right > lower right > lower left, as shown in the image
		4 Press the **SIZE/MODE** key to select the size of the subscreen, from 25% > 37.5% > 50%, as shown in the image

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Mantenimiento
Limpie la unidad sólo como se recomienda en el Manual de Instrucciones

Daños que necesitan ser reparados
Solicite que un técnico cualificado en reparaciones realice servicio en las unidades si:
- El cable de alimentación de CA o su enchufe están estropeados.
- Objetos extraños o líquido han entrado en la unidad.
- La unidad ha estado expuesta a la lluvia o al agua.
- La unidad no parece funcionar normalmente.
- La unidad muestra un cambio considerable en su funcionamiento.
- La unidad se ha caído o la caja se ha estropeado.

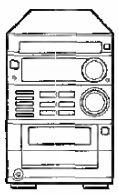
NO TRATE DE REPARAR LA UNIDAD USTED MISMO.

Bienvenido al Sistema Estéreo Aiwa

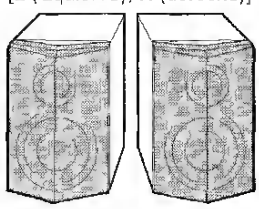
Enhorabuena por haber adquirido un sistema estéreo Aiwa. Para optimizar la función de este sistema, por favor tómese el tiempo para leer estas Manual de Instrucciones y familiarícese con los procedimientos de operación.

Verifique su sistema y accesorios

XR-M35 Radiocasete con lector estereo de discos compactos

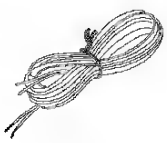


SX-M35 Altavoces [L (izquierdo), R (derecho)]

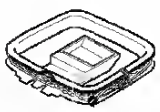


Control remoto

Antena FM



Antena AM



Manual de Instrucciones, etc.

Registro del propietario
Para su conveniencia, anote el número del modelo y de serie (los encontrará en la parte trasera del aparato) en el espacio propuesto más abajo. Por favor refiérase a ellos cuando contacte con su distribuidor Aiwa en caso de alguna dificultad.

Nº. Modelo	Nº. Serie (Nº. Lote)
XR-M35U	
SX-M35	

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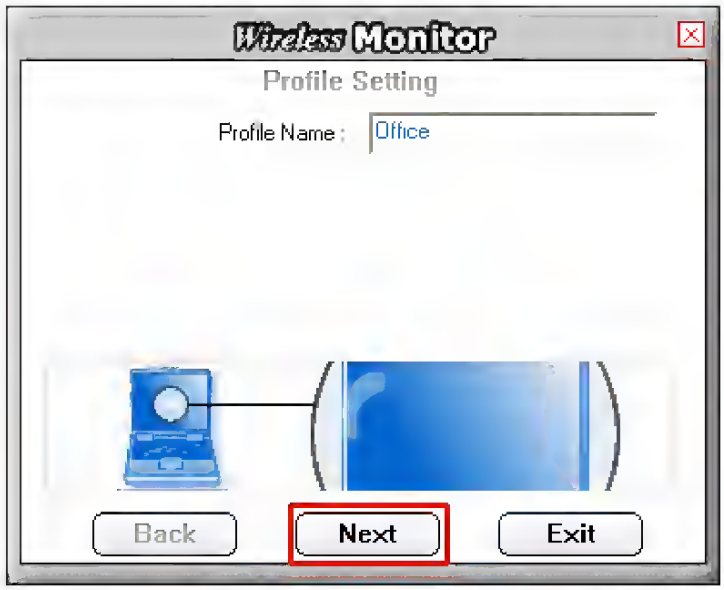
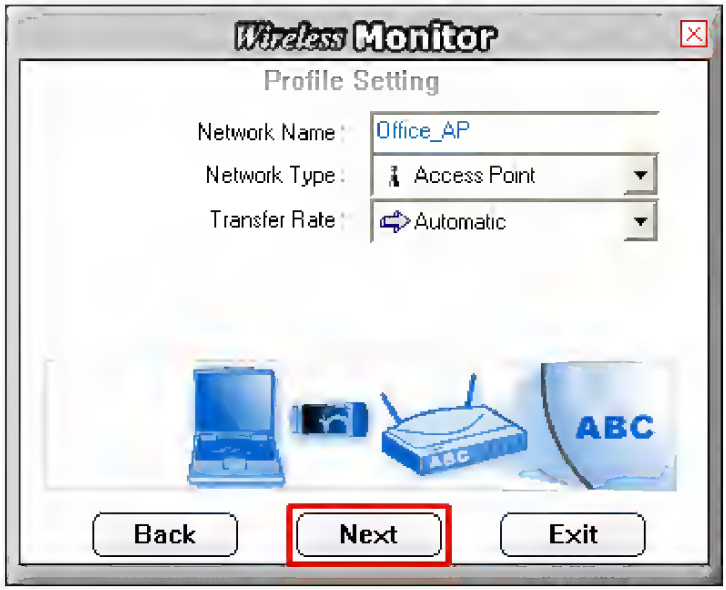
Step 2 Enter a name for your new profile and click **Next**.



Step 3 Enter the SSID (Network Name) of the wireless network you want to connect to and click **Next**.



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Cooking charts

Abbreviations used

tbsp = tablespoon	Cup = cupful	g = gram	ml = millilitre	min = minutes
tsp = teaspoon	KG = kilogram	l = litre	cm = centimetre	

Heating food & drink

Food/ Drink	Quantity -g/ml-	Setting	Power -Level-	Time -Min-	Method
Milk 1 cup	150	Micro	900 W	approx. 1	do not cover
Water 1 cup	150	Micro	900 W	approx. 2	do not cover
6 cups	900	Micro	900 W	8-10	do not cover
1 dish	1000	Micro	900 W	9-11	do not cover
One plate meal (vegetables, meat and trimmings)	400	Micro	900 W	4-6	sprinkle some water onto the sauce, cover, stir halfway through heating
Soup / stew	200	Micro	900 W	1-2	cover, stir after heating
Vegetables	200	Micro	900 W	2-3	if necessary add some water, cover, stir halfway
	500	Micro	900 W	3-5	through heating
Meat, 1 slice*	200	Micro	900 W	approx. 3	thinly spread sauce over the top, cover
Fish fillet*	200	Micro	900 W	3-5	cover
Cake, 1 slice	150	Micro	450 W	1/2 -1	place in a flan dish
Baby food, 1 jar	190	Micro	450 W	1/2 -1	transfer into a suitable microwaveable container, after heating stir well and test the temperature
Melting margarine or butter*	50	Micro	900 W	1/2	cover
Melting chocolate	100	Micro	450 W	3-4	stir occasionally

* from chilled

Defrosting

Food	Quantity -g-	Setting	Power -Level-	Time -Min-	Method	Standing time -Min-
Goulash	500	Micro	270 W	8-9	stir halfway through defrosting	10-30
Cake, 1 slice	150	Micro	270 W	1-3	place in a flan dish	5
Fruit e.g. cherries strawberries, raspberries, plums	250	Micro	270 W	3-5	spread out evenly, turn over halfway through defrosting	5

The times shown in the table are guidelines which may vary according to freezing temperature, quality and weight of the foodstuffs.

Defrosting & cooking

Food	Quantity -g-	Setting	Power -Level-	Time -Min-	Added Water -tbsp-	Method	Standing time -Min-
Fish fillet	300	Micro	900 W	9-11	-	cover	2
One plate meal	400	Micro	900 W	8-10	-	cover, stir after 6 minutes	2
Broccoli	300	Micro	900 W	6-8	3-5	cover, stir halfway through cooking	2
Peas	300	Micro	900 W	6-8	3-5	cover, stir halfway through cooking	2
Mixed vegetables	500	Micro	900 W	9-11	3-5	cover, stir halfway through cooking	2

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SICHERHEITSHINWEISE

- Verwenden Sie das Gerät nur in einem elektrischen System mit 12 Volt Gleichstrom und negativer Masse.
- Trennen Sie die negative Batterieanschlussklemme des Fahrzeugs, während Sie das Gerät montieren und anschließen.
- Gehen Sie sicher, dass Sie bei einem Sicherungswechsel die gleiche Amperezahl verwenden. Bei einer Sicherung mit höherer Amperezahl kann das Gerät ernstlich Schaden nehmen.
- Versuchen Sie NICHT, das Gerät auseinander zu nehmen. Aus dem optischen Tonabnehmer gelangende Laserstrahlen können die Augen schädigen.
- Gehen Sie sicher, dass keine Metallteile oder andere Fremdkörper ins Innere des Geräts gelangen; dies kann Funktionsfehler oder Unfallgefahren wie elektrische Schocks oder Laserstrahlen zur Folge haben.
- Wenn Ihr Fahrzeug direkter Sonneneinwirkung ausgesetzt ist und sich hohe Temperaturen entwickeln, lassen Sie das Gerät zuerst abkühlen, bevor Sie es in Betrieb nehmen.
- Stellen Sie den Ton nur so laut, dass Sie Alarmsignale von außen (Hupen, Sirenen etc.) noch hören können.

ACHTUNG

An diesem Produkt vorgenommene Änderungen, die nicht ausdrücklich vom Hersteller genehmigt wurden, können das Recht oder die Berechtigung des Benutzers zum Betrieb des Produktes unwirksam machen.

Neben herkömmlichen CDs lassen sich mit diesem Gerät auch CD-R- oder CD-RW-Discs abspielen. Allerdings sind solche Discs KEINESFALLS zulässig, wenn sie überhaupt keine Daten oder Daten im falschen Format enthalten, wie etwa MP3- oder andere Rechner-Dateien.

ACHTUNG

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CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT

ACHTUNG!

Unsichtbare Laserstrahlen, wenn geöffnet und Sicherheitssperren deaktiviert sind. Vermeiden Sie sich dem Strahl auszusetzen.

HINWEIS

AIWA CO. LTD., JAPAN, ERKLÄRT IN EIGENER VERANTWORTUNG, DASS DAS IN DIESEM HANDBUCH BESCHRIEBENE PRODUKT MIT DEN RICHTLINIEN DES D.M. 28.8.95 NR.548 ÜBEREINSTIMMT, UND ZWAR GEMÄSS DEN BEDINGUNGEN IN PARAGRAPH 3 VON ANHANG A DES D.M. 25.6.85 UND PARAGRAPH 3 VON ANHANG 1 DES D.M. 27.8.87 (BESTIMMUNGEN ZU FREQUENZEN).

Die Informationen oben gelten nur für Italien.

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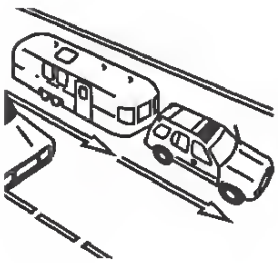
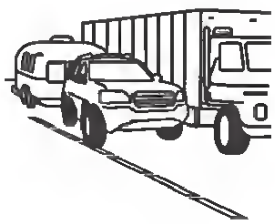
speed. It is both courteous and sensible to signal, pull onto the shoulder, and let them pass. Your trailer is designed to be towed easily at any legal speed, so if you are not careful you may be inclined to forget it is there.

Passing

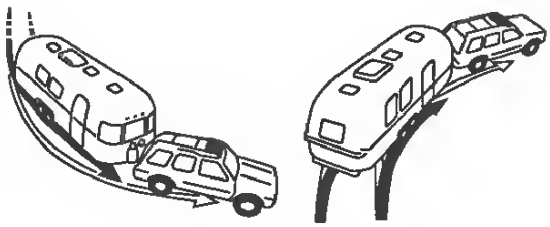
ON FREEWAYS OR EXPRESSWAYS try to pick the lane you want and stay in it. Always maintain plenty of space between you and the car ahead, at least the length of the tow vehicle plus trailer for every ten miles per hour. Remember that in order to pass another vehicle you will need longer to accelerate. You must also allow for the length of the trailer when returning to the right hand lane.





Tracking

OBSERVE THAT THE TRACKS MADE BY THE TRAILER WHEELS ARE DISTINCTLY DIFFERENT FROM THOSE MADE BY THE TOW VEHICLE. Studying this will make it easier for you to correct mistakes. Truck or trailer type fender or door grip rear view mirrors are a must for maximum visibility and in most states the law requires them.



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We would welcome feedback from your configurations and experiences to improve our information products in the future. Please send us any comments or suggestions on the attached form, attach addition sheets if necessary. This will help us tailor the future information products to your needs, and will enable us to make future revisions of this document and related new information products available to you.

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product where people will walk on the cord.

- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- This product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

Warning! The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.

Note: The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.

- The system can be powered using a wide range of voltages: 100 to 120 or 220 to 240 V AC. The power cord included with the system meets the requirements for use in the country/region where the system was purchased. Power cords for use in other countries/regions must meet the requirements for that country/region. For more information on power cord requirements, contact an authorized reseller or service provider.

Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- The power cord or plug is damaged, cut or frayed.

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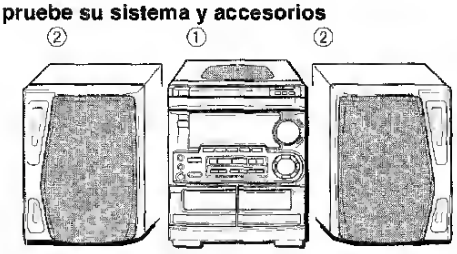
INSTALACION

El sisteme Dolby Pro Logic, le característice más destecede de este sistema, le proporciona en su propio hogar un sonido de múltiples canales.
Complete los ajustes y las conexiones de la unidad principal, los altavoces suministrados, su televisor y su equipo de vídeo de acuerdo con el procedimiento siguiente.

Compruebe su sistema y accesorios



① CX-NMT50 Sintonizador, emplificador, pletina de casete y reproductor de discos compactos estéreo
② SX-NA54 Altavoces delanteros

SX-R210 Altavoces de sonido ambiental

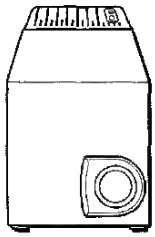
SX-C400 Altevoz centrel

Control remoto

Antena de AM

Antene de FM

Manual de instrucciones, etc



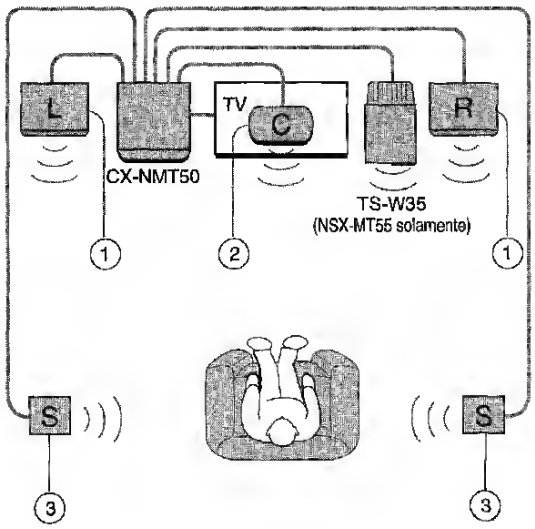
*TS-W35 (NSX-MT55 solamente)
(Se suministra un cable de conexión y el manual de instrucciones.)
Con el NSX-MT50 se encuentra disponible el altavoz de subgraves activo TS-W35 opcional

Anotación del propietario
Pare su conveniencie, enote el número de modelo y el numero de serie (los encontrará en el panel trasero de su aparato) en el espacio suministrado mas abajo. Menciónelos cuendo se ponge en contacto con su concesionario Aiwa en caso de tener dificultades.

N.° de modelo	N.° de serie (N.° de lote)
CX-NMT50	
SX-NA54	
SX-C400	
SX-R210	
TS-W35 (NSX-MT55 solamente)	

UBICACION DE LOS ALTAVOCES

Pare poder lograr los mejores efectos que puedan obtenerse con el sistema Dolby Pro Logic, resulta importante colocar apropiadamente los altavoces. Consulte le ilustreción siguiente para encontrer la mejor ubicación en su habitación.



① **Altavoces delenteros**
② **Altevoz central**
Póngalo en medio de los dos altavoces delanteros. Además, si conecta un televisor a la unidad, ponge este eltavoz encima o debajo del televisor.
③ **Altavoces de sonido ambientai**
Ponga los altavoces de sonido ambiental directamente a los ledos o un poco por detrás de le zone de escucha. Alineelos horizontalmente, e 1 metro aproximadamente por encima de la altura de los oídos.

NOTA

- Cuando los sistemas Dolby Pro Logic y SURROUND estén desectivados no se oirá sonido del altavoz central ni de los altavoces de sonido ambiental.
- El altavoz central sólo sonará cuando Dolby Pro Logic esté activado.

CONEXIONES

Antes de conecter el cable de alimentación de CA
La tensión nominal de su unidad, mostrada en el panel trasero, es de 120 V CA. Asegúrese de que la tensión nominal coincida con la tensión empleada en su localidad.

IMPORTANTE
Conecte primero los altavoces, las antenas y todos los demás equipos opcionales. Finalmente conecte el cable de alimentación de CA.

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Cable Routing Diagrams

Figure 2-14 through Figure 2-18 show cable routing diagrams for the ProLiant ML330e/ML330 server.

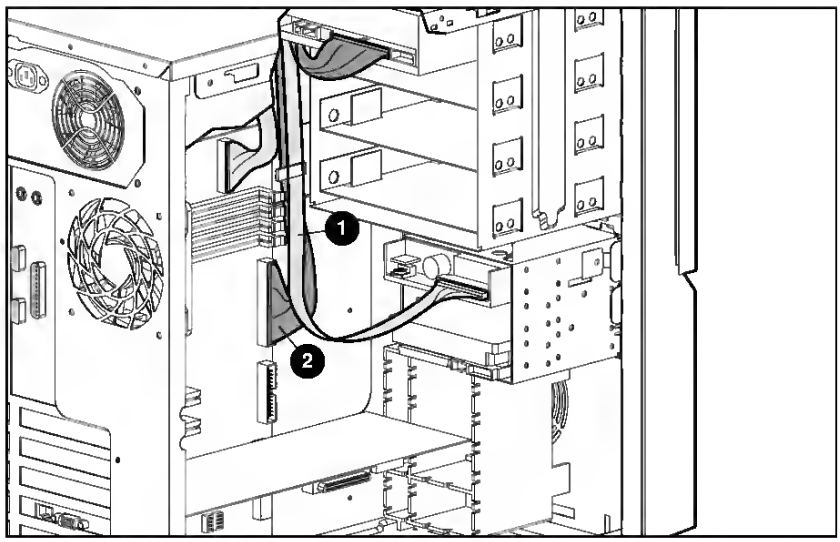

Figure 2-14. Diskette drive cable and IDE CD-ROM drive cable routing

Table 2-2
Diskette Drive Cable and IDE CD-ROM Drive Cable Routing

Item	Description
❶	Diskette drive cable
❷	IDE CD-ROM drive cable

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Keep in mind, the following certain rules of thumb:

- Single port devices are generally not bridged and assume the bus number of the bus on which they reside. However, the SMART-2/SL Drive Array Controller is an exception to the rule (see next bullet); it is a single-port intelligent bridged disk device.
- Multiple port (dual network NICs) and intelligent devices (SMART-2 Controllers and Smart Array Controllers) often contain bridges and receive a bus number assignment for each PCI bus.

During this process, complete the following:

- Do not place all network controllers on the same bus, and do not place all disk controllers on the same bus. Balance the load between buses for optimal performance.
- Record all important network settings and numbers before you make changes (protocols, frame types, IP addresses, etc).
- Run the Disk Administrator after Windows NT installation to ensure that the boot drive receives a signature properly (Drive C:). Use the Disk Administrator to label disk controllers in case the disks become renumbered in the new configuration. Systems with a large disk expansion base can be hard to sort out without labels.
- Determine what tools to use ahead of time for resetting the system should the need occur.

Reestablishing Network Connections

The following section describes how the various Compaq and Windows NT utilities can provide assistance in verifying connections and reestablishing network links. Again, this is not a complete list of tools, but the ones that our testing found the most helpful.

Compaq Network Teaming and Configuration Utility

The Compaq Network Teaming and Configuration Utility is the Microsoft Windows NT 4.0 application for configuring Compaq 10/100 and Gigabit NICs.

Note: If your server contains a TLAN-based network controller, you must use the Compaq TLAN Teaming and Configuration Utility referenced in Appendix C.

The applet for this utility can be found in the Windows NT Control Panel with an icon labeled Compaq Network. This utility installs from the Compaq Support Paq for Microsoft Windows NT 4.0, if the system contains Compaq network controllers based on Intel technology.

This utility supports the following controllers:

- Compaq NC1120 Ethernet NIC
- Compaq NC3120 Fast Ethernet NIC (PCI 10/100)
- Compaq NC3121 Fast Ethernet NIC (PCI 10/100 WOL)
- Compaq NC3122 Fast Ethernet NIC (PCI Dual 10/100) (82558)
- Compaq NC3123 Fast Ethernet NIC (82559)
- Compaq NC3131 Fast Ethernet NIC (Dual Base 10/100) (82558)

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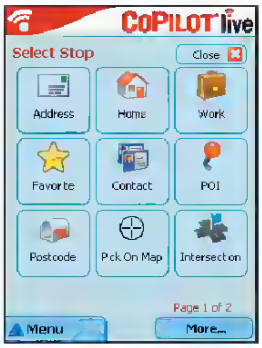
Select Stop Screen



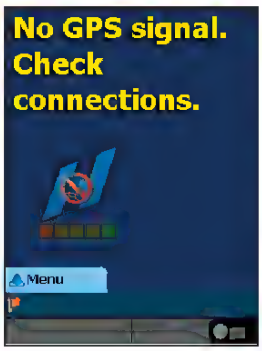
In this screen you add stops to your trip. There are nine different types of stop entry to choose from:

- Enter a new **Address**
- Program or enter a **Home** address
- Program or enter a **Work** address
- Select from your **Favourite** list
- Enter an Outlook Express **Contact**
- Search for a **Point of Interest (POI)**
- Enter an address as a **Postcode**
- **Pick on Map**
- Enter an **Intersection**

More....

- Enter a **Latitude/Longitude** point
- Enter a previously **Saved Trip**

No GPS Signal



When you see this screen it means that CoPilot is not receiving data from the GPS unit.

1) Check that all your connections have been made correctly, and that all wires are secure.

2) Make sure your receiver is plugged into your vehicle's power source.

3) In the drop-down *GPS* menu on your Pocket PC, be sure *Receiving* is checked.

Determining Current Position

When you see this screen, CoPilot is in the process of determining where you are. This can take a few seconds. The picture under the text will indicate how close you are to acquiring a fix.

Heavy foliage, tall buildings, or any other structures obstructing communications may interfere with CoPilot's ability to track your location. Like your car radio, GPS tracking can also be affected by weather conditions if severe. CoPilot will continue tracking as soon as adequate signals are available.

Driver Safety Screen

The Driver Safety Screen automatically displays when your vehicle travels at more than 10 m.p.h. If you are a passenger and want to see the map at this point, tap the top or bottom of the screen, tap the **Change View** toolbar button and then the **Map** button (see *Navigating Through CoPilot Screens*, p. 23).

Next turn instruction.

Next turn arrow and *distance to next turn*.

Customizable display line, tap to cycle through your current road, nearest crossroad, nearest major road, nearest town, ETA, or speed.

ETA and *Distance to Next Stop* display.

Messaging, *Traffic*, and *GPS Status* indicators (Green = 3D fix, Red = 2D fix, Yellow = no fix).

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Technical data

Capacity:	12 place settings including serving dishes
Permitted water pressure:	1-10 bar (=10-100 N/cm^2 = 0.1-1.0 MPa)
Electrical connection:	230 V, 13 A, also see the rating plate on the right-hand side of the dishwasher's interior door
Dishwasher: Free-standing appliances	
Dimensions:	850 x 598 x 598 (H x W x D in mm)
Max. weight:	54 kg

CE This appliance conforms with the following EU Directives:
- 73/23/EEC dated 19.02.1973 Low Voltage Directive
- 89/336/EEC dated 03.05.1989 EMC Directive inclusive of Amending Directive 92/31/EEC
- 93/68/EEC dated 22.07.1993 CE Marking Directive

CRUISE & RANGE PERFORMANCE

SKYHAWK

Gross Weight- 2300 Lbs.
Standard Conditions
Zero Wind Lean Mixture

NOTE Maximum cruise is normally limited to 75% power. Cruise speed for the standard Model 172 is approximately one MPH less than shown below for the Skyhawk configuration.

ALT.	RPM	% BHP	TAS MPH	GAL / HOUR	38 GAL (NO RESERVE) ENDR. HOURS	38 GAL (NO RESERVE) RANGE MILES	48 GAL (NO RESERVE) ENDR. HOURS	48 GAL (NO RESERVE) RANGE MILES
2500	2700	86	134	9.7	3.8	525	4.9	660
	2600	79	129	8.6	4.4	570	5.6	720
	2500	72	123	7.8	4.9	600	6.2	760
	2400	65	117	7.2	5.3	620	6.7	760
	2300	58	111	6.7	5.7	630	7.2	795
	2200	52	103	6.3	6.1	625	7.7	790
5000	2700	82	134	9.0	4.2	565	5.3	710
	2600	75	128	8.1	4.7	600	5.9	760
	2500	68	122	7.4	5.1	625	6.4	790
	2400	61	116	6.9	5.5	635	6.9	805
	2300	55	108	6.5	5.9	635	7.4	805
	2200	49	100	6.0	6.3	630	7.9	795
7500	2700	78	133	8.4	4.5	600	5.7	755
	2600	71	127	7.7	4.9	625	6.2	790
	2500	64	121	7.1	5.3	645	6.7	810
	2400	58	113	6.7	5.7	645	7.2	820
	2300	52	105	6.2	6.1	640	7.7	810
10,000	2650	70	129	7.6	5.0	640	6.3	810
	2600	67	125	7.3	5.2	650	6.5	820
	2500	61	118	6.9	5.5	655	7.0	830
	2400	55	110	6.4	5.9	650	7.5	825
	2300	49	100	6.0	6.3	635	8.0	800
12,500	2600	63	123	7.0	5.4	665	6.8	840
	2500	57	115	6.6	5.8	665	7.3	835
	2400	51	105	6.2	6.1	645	7.8	815

Figure 6-4.

LANDING DATA

LANDING DISTANCE ON HARD SURFACE RUNWAY
NO WIND – 40° FLAPS – POWER OFF

GROSS WEIGHT LBS.	APPROACH IAS MPH	@ SL & 59° F GROUND ROLL	@ SL & 59° F TOTAL TO CLEAR 50' OBS	@ 2500 ft & 50° F GROUND ROLL	@ 2500 ft & 50° F TOTAL TO CLEAR 50' OBS	@ 5000 ft & 41° F GROUND ROLL	@ 5000 ft & 41° F TOTAL TO CLEAR 50' OBS	@ 7500 ft & 32° F GROUND ROLL	@ 7500 ft & 32° F TOTAL TO CLEAR 50' OBS
2300	69	520	1250	560	1310	605	1385	650	1455

NOTES: 1. Reduce landing distance 10% for each 5 knot headwind.
2. For operation on a dry, grass runway, increase distances (both "ground roll" and "total to clear 50 ft. obstacle") by 20% of the "total to clear 50 ft. obstacle" figure.

Figure 6-5.

LIMITED WARRANTY

COLOR TELEVISION - 90 Days Free Labor, One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube) Must be carried in for service.

WHO IS COVERED?
You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?
Warranty coverage begins the day you buy your product. For 90 days thereafter, all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?
Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?
Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...
Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...
Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...
Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

WARRANTY COVERAGE IN CANADA...
Note: Product Warranty coverage may vary between countries where product is distributed by Philips Consumer Electronics Company. In order to receive full and specific warranty details for products sold and serviced in Canada, please contact Philips at:

1-800-661-6162 (French Speaking)

1-800-531-0039 (English and Spanish Speaking)

REMEMBER...
Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 520890
Miami, FL 33152
(402) 536-4171

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Electrical characteristics (Tamb=25°)

Audio amplifier(USE Panasonic VP-7723A Audio Analyzor.)

Item	Audio Input	Freq	Spec			Comment
			Min	Typ	Max	
Input Voltage(V)			-	0.5Vms	-	
Input Current(m A)			-	500	800	
Audio Voltage Gain	500m Vrms	1KHz	-	-	6 d B	Volume Max.,load 4 Ω
Frequency Response	500m Vrms	300Hz-20KHz	-10dB	-	+10d B	Volume Max ,load 4 Ω
Signal to Noise ratio	500m Vrms	1KHz	-	-	-40dB	Volume Max ,load 4 Ω
Total harmonic distortion	500m Vrms	1KHz			1%	except speakers distortion
Cross talk	500m Vrms	1KHz	-	-	-30dB	Volume Max ,load 4 Ω
Output Watt	500m Vrms	1KHz	-	-	0.5W	Volume Max ,load 4 Ω
Volume Control			-	-	-	Analog

Speakers

Maximum power	:	2 W per speaker(max)
Impedance	:	4 ohm +/- 15 % @ 1kHz 1.0Hz
Frequency response range	:	300 Hz – 20 kHz (S.P.L. – 10 dB)
Total harmonic distortion	:	Less than 5 % @ 0.125 W 1kHz

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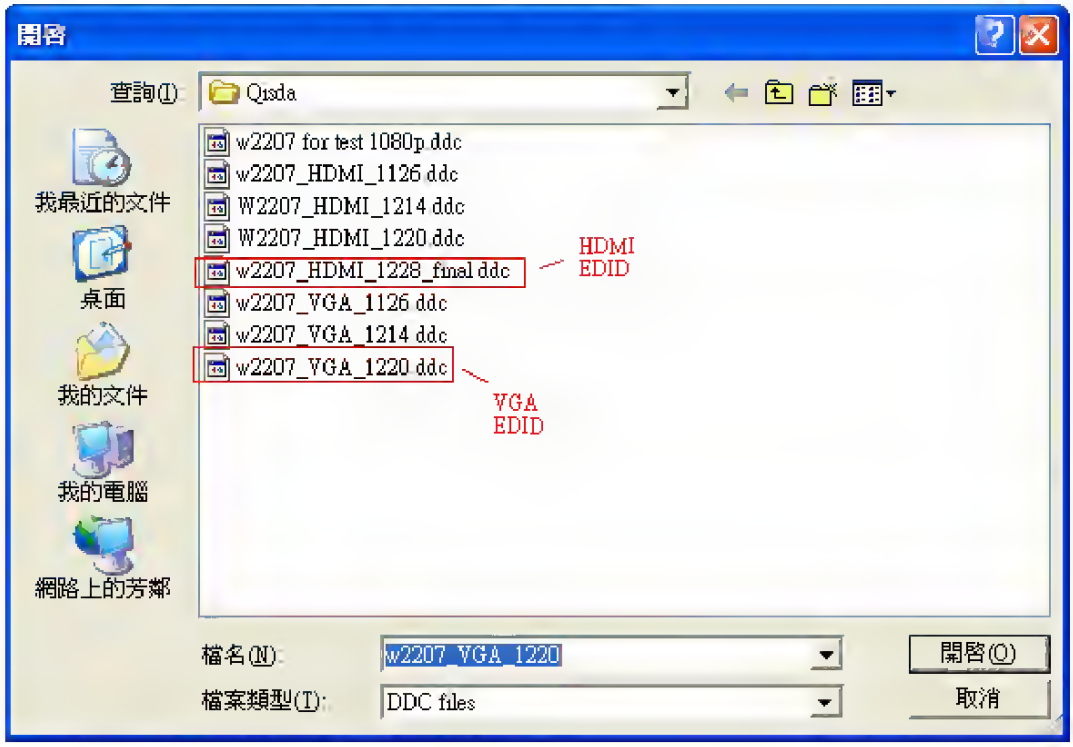
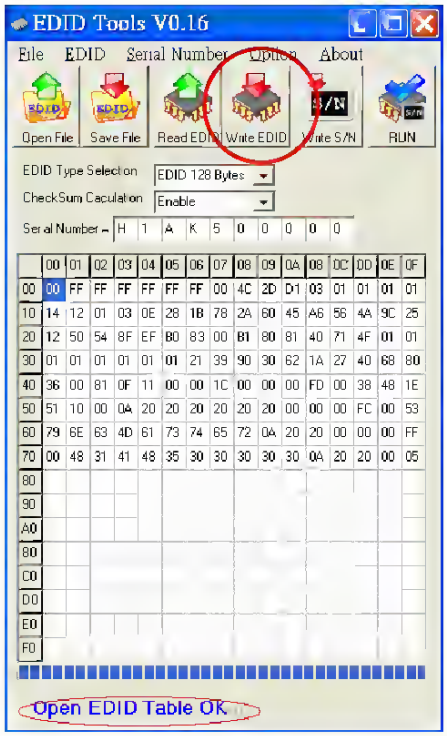
Step 2:

Click "Open File" and select "VGA" or "HDMI" EDID file



Step 3:

If load file is successful, it shows "Open EDID Table OK." And then, Click "Write EDID" button to update EDID



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Battery pack

The computer uses a battery pack that gives you long use between charges.

Battery pack characteristics

The battery pack has the following characteristics:

- Employs current battery technology standards.
- Delivers a battery-low warning.

The battery is recharged whenever you connect the computer to the mains power supply. Your computer supports charge-in-use, enabling you to recharge the battery while you continue to operate the computer. However, recharging with the computer turned off results in a significantly faster charge time.

The battery will come in handy when you travel or during a power failure. It is advisable to have an extra fully charged battery pack available as backup. Contact your dealer for details on ordering a spare battery pack.

Maximizing the battery's life

Like all other batteries, your computer's battery will degrade over time. This means that the battery's performance will diminish with time and use. To maximize your battery's life, you are advised to adhere to the recommendations set out below.

Conditioning a new battery pack

Before you use a battery pack for the first time, there is a "conditioning" process that you should follow:

1 Insert the new battery without turning the computer on.

2 Connect the AC adapter and fully charge the battery.

3 Disconnect the AC adapter.

4 Turn on the computer and operate using battery power.

5 Fully deplete the battery until the battery-low warning appears.

6 Reconnect the AC adapter and fully charge the battery again.

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Chapter 5:
Serial Number Definition

Acer 22 Barcode

Follows Code 128 standard –refer to http://www.adams1.com/pub/russadam/128code.html

Acer 22 Code SN

PPPPPPPPPPYWWSSSSSMMVV

Code	Description
PPPPPPPPPP	Acer Part Number
YWW	3 digit numenc year and week code
SSSSS	5 character unique hexadecimal code by manufacturer base and reset each week (0-9, A, B, C, D, E, F 16 code)
MM	Manufacturer code
VV	English version code

Acer SNID

YWWddddddMM

Code	Description
YWW	3 digit numenc year and week code (as above)
dddddd	6 unique decimal numbers derived from Acer 22 Code SN (SSSSS) Transfer Rule: $S_1S_2S_3S_4S_5$ dddddd = $S_1 * 16^4 + S_2 * 16^3 + S_3 * 16^2 + S_4 * 16^1 + S_5$ Example: Acer FG SN (SSSSS) = 001FD, SNID (dddddd) = $1 * 16^2 + 15 * 16 + 13$ = 000509.
MM	Manufacturer code (as above)

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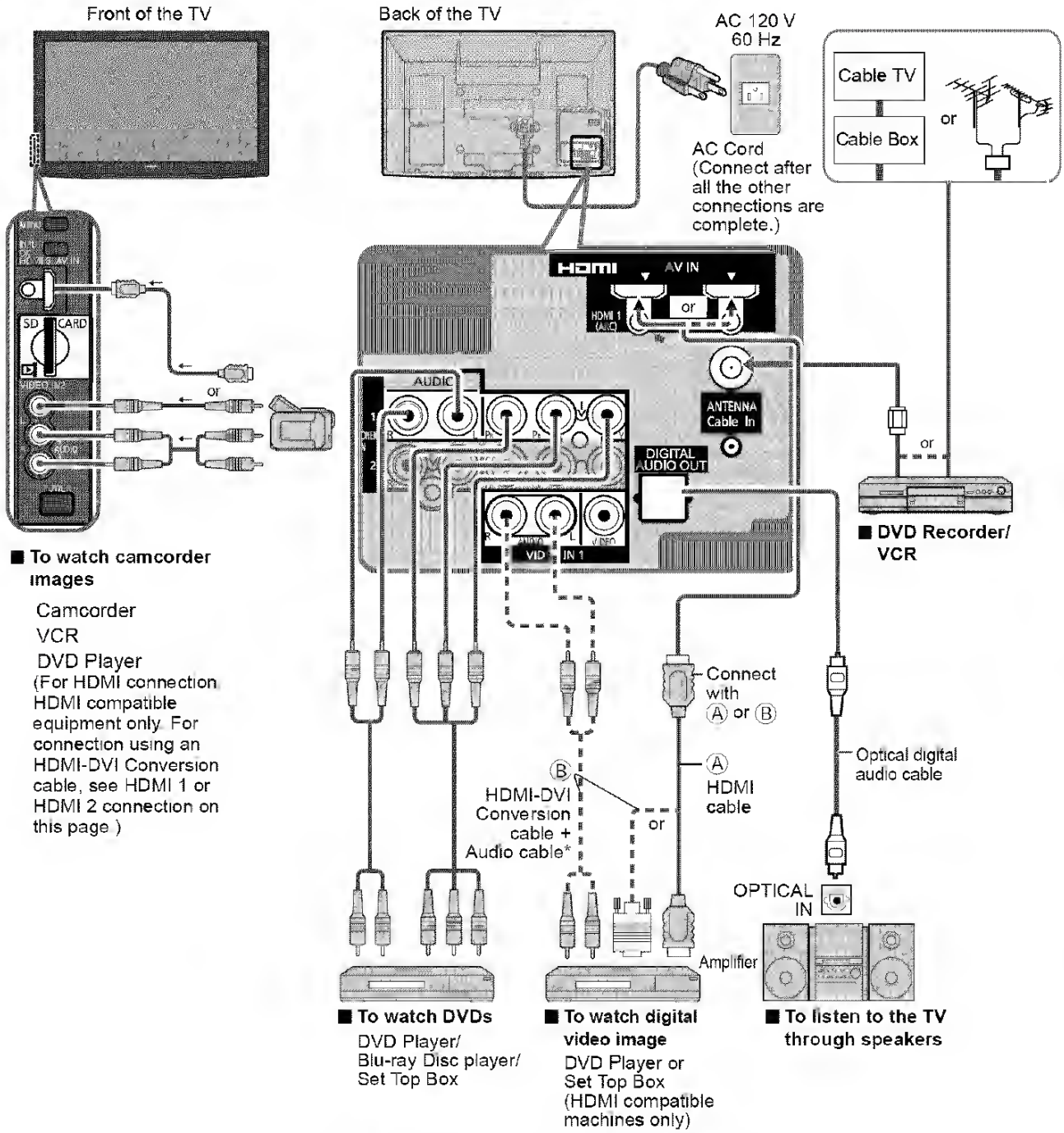
Recommended AV Connections

These diagrams show our recommendations or how to connect the TV unit to your various equipment.
For other connections, consult the instructions for each piece of equipment and its specifications.
For additional assistance, please visit our website at: www.panasonic.com
www.panasonic.ca


Front of the TV
Back of the TV
AC 120 V
60 Hz
Cable TV
Cable Box
or
AC Cord
(Connect after all the other connections are complete.)
HDMI
AV IN
HDMI 1 (ARC)
or
SD CARD
VIDEO IN 2
AUDIO
ANTENNA Cable In
DIGITAL AUDIO OUT
VIDEO IN 1
■ To watch camcorder images
Camcorder
VCR
DVD Player
(For HDMI connection HDMI compatible equipment only. For connection using an HDMI-DVI Conversion cable, see HDMI 1 or HDMI 2 connection on this page)
■ DVD Recorder/ VCR
Connect with Ⓐ or Ⓑ
Ⓐ HDMI cable
Ⓑ HDMI-DVI Conversion cable + Audio cable*
Optical digital audio cable
OPTICAL IN
Amplifier
■ To watch DVDs
DVD Player/ Blu-ray Disc player/ Set Top Box
■ To watch digital video image
DVD Player or Set Top Box (HDMI compatible machines only)
■ To listen to the TV through speakers

* Please see p. 26 for the setup when using an external analog audio cable with an HDMI to DVI cable

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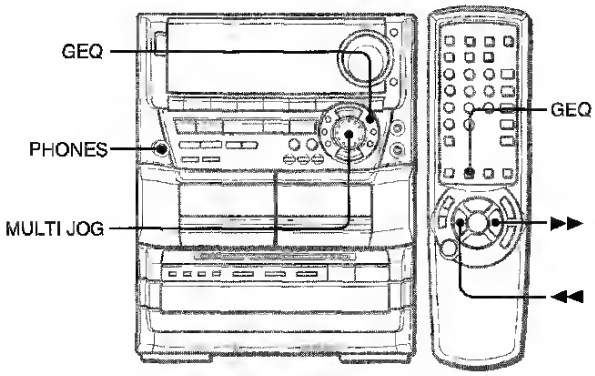
ECUALIZADOR GRAFICO

SELECCION DE LA CURVA DE ECUALIZACION PROGRAMADA

Esta unidad ofrece las 5 curvas de ecualización diferentes siguientes:
ROCK: Sonido potente que realza los agudos y los graves.
POP: Más presencia en las voces y en la gama de registro medio.
LATIN: Frecuencias más altas acentuadas para música latina.
CLASSIC: Sonido enriquecido con graves profundos y agudos finos.
JAZZ: Frecuencias bajas acentuadas para musica tipo jazz.



Pulse GEQ, y antes de que pasen 4 segundos gire MULTI JOG para seleccionar una de las curvas de ecualización programadas.

"GRAPHIC EQUALIZER" aparece y el modo GEQ se visualiza cíclicamente de la forma siguiente:

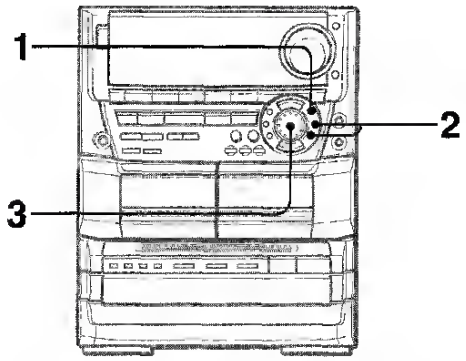
ROCK ↔ POP ↔ LATIN ↔ CLASSIC ↔ JAZZ
Modo programado
M5 ↔ M4 ↔ M3 ↔ M2 ↔ M1
Modo manual

Para visualizar el modo GEQ actual
Pulse **GEQ**. El modo actual se visualiza durante 4 segundos.

Para cancelar el modo selaccionado
Pulse dos veces **GEQ**.
"GEQ OFF" aparece y "GRAPHIC EQUALIZER" desaparece.

Para seleccionar con el control remoto
Pulse **GEQ**, y, antes de que pasen 4 segundos, pulse repetidamente ◀◀ o ▶▶. El modo GEQ se visualiza cíclicamente de la forma indicada arriba.

AJUSTE MANUAL DE UNA CURVA DE ECUALIZACION NUEVA

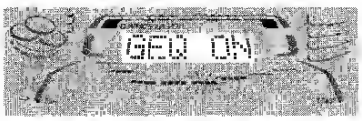


La curva de ecualización puede personalizarse para satisfacer sus preferencias.

Si ha transcurrido el tiempo predeterminado mientras realizaba estos pasos, pulse **UP** o **DOWN** para volver a la visualización anterior.

1 **Pulse GEQ.**
Se visualizará el modo GEQ actual o "GEQ ON".

2 **Antes de que pasen 4 segundos, pulse UP o DOWN para seleccionar las bandas de frecuencias.**
Cada vez que pulse **UP/DOWN**, un indicador de 4 segmentos se desplazará a la siguiente banda de frecuencias superior o inferior. (Si se muestra el modo GEQ actual, éste cambiará a "GEQ ON" la primera vez que se pulse **UP** o **DOWN**.)



3 **Gire MULTI JOG para ajustar el nivel de ecualización para la banda de frecuencias seleccionada.**

4 **De forma similar, ajuste el nivel de ecualización para las otras bandas de frecuencias restantes.**

Utilización de auriculares
Conecte auriculares con clavija estéreo estándar de 6,3 mm ø a la toma **PHONES**.
Mientras los auriculares estén conectados no saldrá sonido de los altavoces.
• Cuando los auriculares estén enchufados, el sistema SURROUND no funcionará.

Ajuste de sonido durante la grabación
El control VOLUMEN no causa ningún efecto en la grabación. Sólo ajusta el sonido de los altavoces y auriculares. Sin embargo, recuerde que la grabación asume las funciones BEAT, AUTO SPICE/FILL IN, SPICE A/B, así como tambien la función BBE.

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Appendices

Troubleshooting

If you experience a problem with your Acer projector, refer to the following troubleshooting guide. If the problem persists, please contact your local reseller or service center.

Image problems and solutions

#	Problem	Solution
1	No image appears onscreen	• Ensure the projector is properly connected as described in **"Getting started" on page 8**. • Ensure none of the connector pins is bent or broken. • Check if the projector lamp has been securely installed. Please refer to **"Replacing the lamp" on page 41**.

2	Partial, scrolling or incorrectly displayed image [For PC (Windows 95/98/2000/XP)]	• Press **RESYNC** on the remote control.
		• For an incorrectly displayed image:
		  • Open **My Computer** > **Control Panel**, and then double-click the **Display** icon.
		  • Select the **Settings** tab.
		  • Verify that your display resolution setting is lower than or equal to UXGA (1600 x 1200).
		If the problem still appears, change the monitor display you are using and follow the steps below:
		  • Verify that the resolution setting is lower than or equal to UXGA (1600 x 1200).
		  • Click the **Change** button under the Monitor tab.
		  • Click **Show all devices**. Next, select **Standard monitor types** under the SP box, and choose the resolution mode you need under the Models box.
		  • Verify that the resolution setting of the monitor display is lower than or equal to UXGA (1600 x 1200).

4	The screen of the notebook computer is not displaying your presentation	• If you are using a Microsoft Windows based notebook: Some notebook PCs may deactivate their own screens when a second display device is in use. Each has a different way to be reactivated. Refer to your computer's manual for detailed information. • If you are using an Apple Mac OS based notebook: In System Preferences, open Display and select Video Mirroring On.

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PLAY

In questa impostazione, il display mostra il numero del programma attuale. Questa è la modalità da sceglhere per le tipiche prestazioni dal vivo, in quanto vi permette di passare facilmente da un programma all'altro con i pedali.

A0→A9 b0→b9 C0→C9 d0→d9	Indica la lettera del banco e il numero del programma in corso.

COMP/LIMIT (Compressore/Limitatore)

C 1→C9	**Compressione.**	Aggiunge sostegno e scorrevolezza diminuendo il range dinamico.
L 1→L9	**Limiting.**	Mantiene il volume originale, ma smorza i picchi più forti.
OF	**Off.**	Spegne il COMP/LIMIT.

TYPE (guitar modeling)

CL	**Clean.**	Il suono pulito, naturale di una chitarra acustica di qualità.
Ar	**Warm.**	Un suono scuro, profondo, tipico di chitarre in denso palissandro o mogano.
br	**Bright.**	Accentua le frequenze più alte per un suono frizzante solitamente trovato in chitarre acustiche dal corpo più piccolo.
rY	**Rhythm.**	Un suono pieno, caldo, ottimo per parti dal ritmo strumpellante.
Jb	**Jumbo.**	Fornisce un po' più di gamma bassa a quel suono associato a chitarre acustiche dal corpo grande.
d0→d9, dP	**Drive.**	Aggiunge mordente al vostro suono acustico, come se steste suonando con un amplificatore a tubo e premendo il gain. Valori maggiori significano un maggiore drive.
OF	**Off.**	Spegne DIST.

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ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

* 64 / 100 / 200 / 400 / Auto

NOTE

- In the [Auto] setting, the ISO value is automatically selected from ISO 64 to ISO 200.
- In the [🎥] mode, the ISO function cannot be used. And the ISO setting will be automatically set between ISO 64 and ISO 400.
- [Auto] setting is not available for [Tv], [Av] and [M] mode.

Metering

This sets the metering method for calculating the exposure.

* [⊡] Multi: The entire area of the screen is measured, and the exposure is calculated.
* [⊙] Spot: A very small portion of the center of the screen is measured, and the exposure is calculated.
* [□] Average: The exposure is measured all of the image area.

Focus Area

This sets the focusing area.

* Multi: The function of auto focus finds the best proper position from 9 blocks of focus area.
* Center: The function of auto focus adjusts focus at the center of image.

Flash Offset

This sets the flash strength. The flash power becomes strong when selecting "+" values. The flash power becomes soft when selecting "-" values.

* +2 / +1 / 0 / -1 / -2

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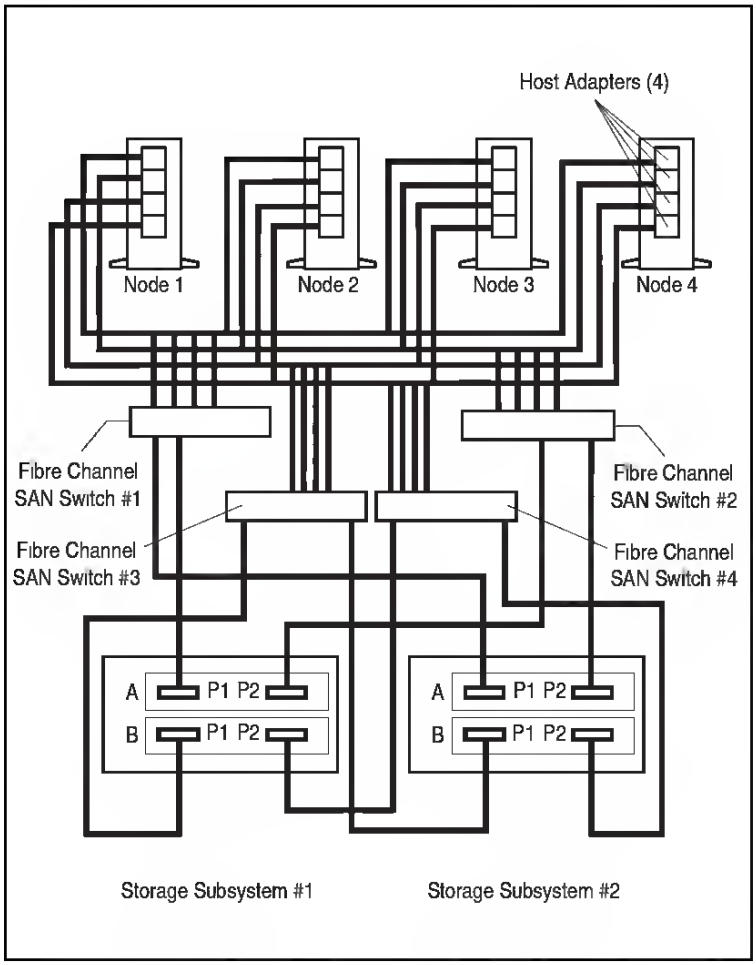

Figure 2-10. Quad redundancy configuration for a redundant Fibre Channel Fabric

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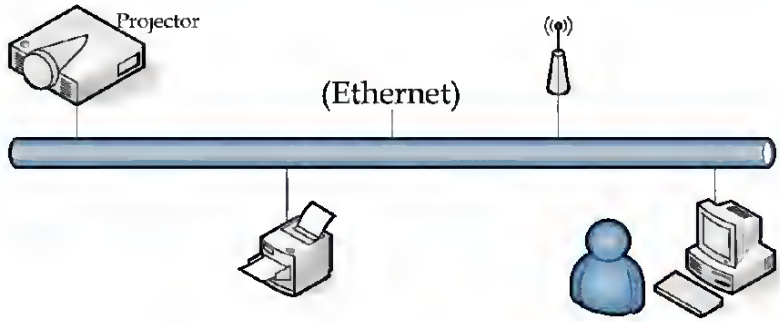
For simplicity and ease of operation, the projector provides diverse networking and remote management features.

The LAN/RJ45 function of the projector through a network, such as remotely manage: Power On/Off, Brightness and Contrast settings. Also, projector status information, such as: Video-Source, Sound-Mute, etc.



The projector can be controlled by a PC (Laptop) or other external device with connecting to the projector's LAN/RJ45 port.

Wired LAN Terminal functionalites

Remote control and monitoring of a projector from a PC (or Laptop) via wired LAN is also possible. Compatibility with Crestron / AMX (Device Discovery) / Extron control boxes enables not only collective projector management on a network but also management from a control panel on a PC (or Laptop) browser screen.

* Crestron is a registered trademark of Crestron Electronics, Inc. of the United States.

* Extron is a registered trademark of Extron Electronics, Inc. of the United States.

* AMX is a registered trademark of AMX LLC of the United States.

Supported External Devices

This projector is supported by the specified commands of the Crestron Electronics controller and related software (ex, RoomView ®).

http://www.crestron.com/

This projector is supported by AMX (Device Discovery).

http://www.amx.com/

This projector is compliant to support Extron device(s) for reference.

http://www.extron.com/

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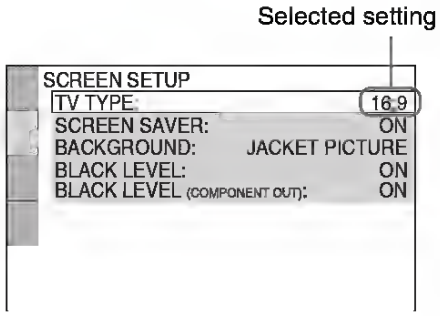
6 Select a setting using ↑/↓, then press ENTER.

The setting is selected and setup is complete.
Example: "16:9"



To turn off the display

Press DISPLAY repeatedly until the display is turned off.

To enter the Quick Setup mode

Select "QUICK" in Step 3. Follow from Step 5 of the Quick Setup explanation to make basic adjustments (page 23).

To reset all of the "SETUP" settings

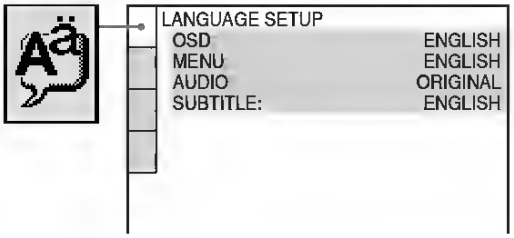
If you select "RESET" in Step 3, you can reset all of the "SETUP" settings on pages 50 to 54 to the default settings. After you select "RESET" and press ENTER, select "YES" and press ENTER to reset the settings (it takes a few seconds to complete), or select "NO" and press ENTER to return to the Control Bar. Do not press I/⏻ when resetting the player.

Setting the Display or Sound Track Language

(LANGUAGE SETUP)

"LANGUAGE SETUP" allows you to set various languages for the on-screen display or sound track.

Select "LANGUAGE SETUP" in the Setup Display. To use the display, see "Using the Setup Display" (page 49).



◆ DSD (Dn-Screen Display)

Switches the display language on the screen.

◆ MENU (DVD only)

You can select the desired language for the disc's menu.

◆ AUDID (DVD only)

Switches the language of the sound track. When you select "ORIGINAL," the language given priority in the disc is selected.

◆ SUBTITLE (DVD only)

Switches the language of the subtitle recorded on the DVD.
When you select "AUDIO FOLLOW," the language for the subtitles changes according to the language you selected for the sound track.

Hint

If you select "OTHERS →" in "MENU," "SUBTITLE," or "AUDIO," select and enter a language code from "Language Code List" on page 60 using the number buttons.

Note

When you select a language in "MENU," "SUBTITLE," or "AUDIO" that is not recorded on the DVD, one of the recorded languages will be automatically selected.

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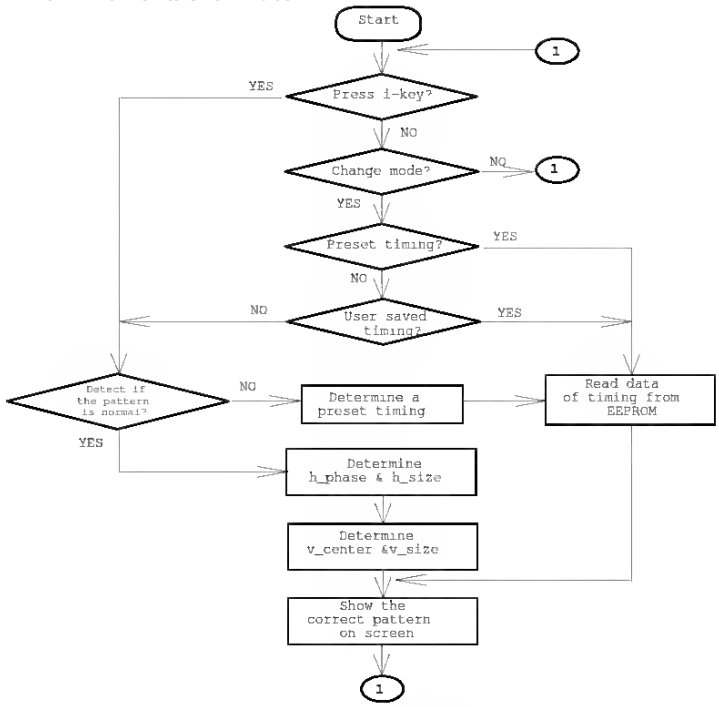
2.2.3.7 Flowchart for Auto



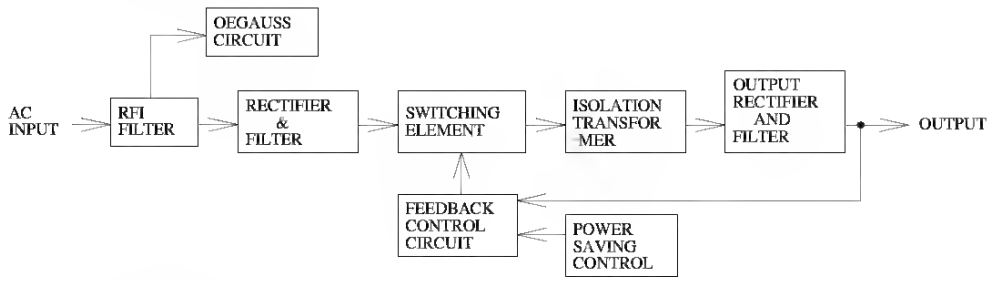
2.3 Switching Power Supply Operation Theory

2.3.1. General Specification

Input Voltage : 90~264VAC (UNIVERSAL)
Input Frequency : 47~63Hz
Output Requirement:

Output	MAX. Load Current
+6.5V	0.8A
+16V	1.0A
+24V	0.25A
+80V	0.1A
+200V	0.3A

2.3.2. Block Diagram



2.3.3. Circuit Operation Theorem

2.3.3.1 RFI FILTER

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Vertical frequency	O604	O603
50 ~77.9Hz	OFF	OFF
78 ~89.9Hz	ON	OFF
90 ~124.9Hz	OFF	ON
125 ~160Hz	ON	ON

Table 12 Vertical linearity compensation resistance select transistor ON/OFF

1.8.3 Horizontal deflection drive waveform generating circuit

The rectangular wave for horizontal deflection drive are output at the amplitude 3.3Vp-p and approx. 45% Duty from IC601 pin 25 with the delay of the transistor taken into account in order to make the Duty become 50% at the output of Q501 of the horizontal deflection circuit.
Here, the simulative horizontal sync. signal (5V pulse) from the horizontal flyback pulse (AFC, 5V pulse) input to IC601 pin 27 and IC101 (MPU) input to IC601 pin 44 is passed through the invertor of IC6A1 to produce the edges of these waveforms. This prevents the noises of the jitter , etc. from generating.
Moreover, the circuit composed of Q602, Q605 , etc. connected to IC601 pin 13 prevents the rapid frequency variation of the horizontal output when the horizontal input signal becomes no signal. IC601 pin 13 is a phase comparator filter terminal to phase-lock the horizontal input sync. signal and the oscillation in IC601. When the horizontal input sync. signal becomes no signal, the terminal voltage rapidly varies from approx. 0.8V of the phase lock time to 0V, and the frequency of the horizontal output rapidly varies according to this. The circuit is added to compress the rapid frequency variation width by smoothening the variation of the terminal voltage of pin 13 by C636 when it becomes unlocked. This prevents the horizontal collector pulse from jumping in order to prevent overvoltage against the horizontal output transistor (Q502).
The terminals pin 13 to pin 20 of IC601 become the control filter terminal of horizontal PLL.

1.8.4 Distortion compensation waveform generating circuit

The deflection distortion compensating waveform is output from pin 64 of IC601. The waveform is output from 1-bit DAC, and 3.3V pulse waveform of resolution power of 25MHz is output at pin64 direct. The pulse waveform is smoothened with the low pass filter of R632 and C622 to gain the compensation waveform of the vertical frequency. The amplitude is approximately 1.0 to 1.2Vp-p, and is connected to pin5 of IC5J1.
The horizontal size, trapezoid compensation, side pin compensation, upper/lower compensation of the side pin, S type compensation of the side pin and W compensation of the side pin are applied. (Refer to the compensation image, figure 22.)
The deflection compensation waveform in the horizontal phase system is output from pin 57 of IC601. Pin 57 is the 1-bit DAC output, and outputs the pulse waveform of 3.3V of resolution power of 25MHz. The pulse waveform is smoothened with the low pass filter of R614, R619, C601 and C604, and the waveform of the vertical frequency is current-added to the filter (pin 20 of IC700) of the horizontal system PLL to compensate for the deflection distortion of the horizontal phase system. The parallel rectangular distortion compensation and the side pin balance (upper and lower) compensation are executed. (Refer to the compensation image, figure 22.)

1.8.5 DBF compensation waveform generating circuit

The horizontal system DBF compensation waveform is output in 8-bit DAC mode from pin 10 of IC601. The amplitude is approximately 0.5Vp-p. It is connected to pin 6 of IC6A2.

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Hotkey	Icon	Function	Description
<Fn> + <↑>		Volume up	Increases the sound volume.
<Fn> + <↓>		Volume down	Decreases the sound volume.
<Fn> + <→>		Brightness up	Increases the screen brightness.
<Fn> + <←>		Brightness down	Decreases the screen brightness.

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DATA RATE
Selects the data rate for the control port. This should be consistent with all units on a chain and with the modem and/or PC/Proxy Agent serial port.
Choices: 1200, 2400, 9600

2) ALARMS
Used to initialize the method by which the control port handles alarm conditions.

TRAPS
This setting determines if alarm conditions should automatically send alarm messages (traps) to the controlling PC/Proxy Agent. The setting is for this unit, or for slaves if this unit is a master.
Choices: ENAB - Enable; DISA - Disable

OUTPUT
Selects whether the alarm traps (if enabled) are sent directly, or if the telephone number stored in the TSU should be dialed first (industry-standard AT dial command sent to modem).
Choices: DIRECT or DIAL

TEL NUM
This is the telephone number which is dialed to obtain alarm traps. The string can be up to 20 characters in length and is terminated with a semi colon (;) as the last character. A colon (:) character is used to represent a pause in the dial string.

Example: For number 9:5551212; dial 9, pause, and then send 5551212. This pause could be effected to access an outside line form a PBX, etc.

When editing a specific character, the scroll keys are used to scroll from 0 to 9, then ":" and ";". The new telephone number is entered into the TSU only upon pressing ENTER after typing the ";".
Choices: 20 digits (0-9, : and ;)

The typed digits are accepted only after pressing ***ENTER***.

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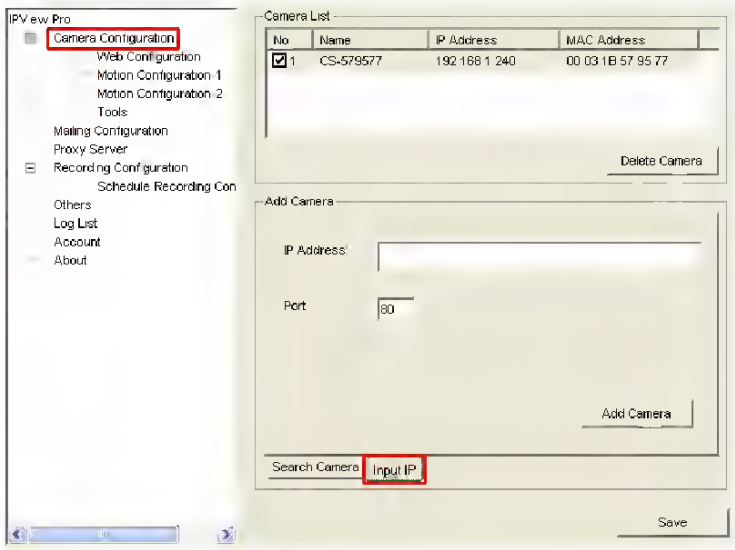
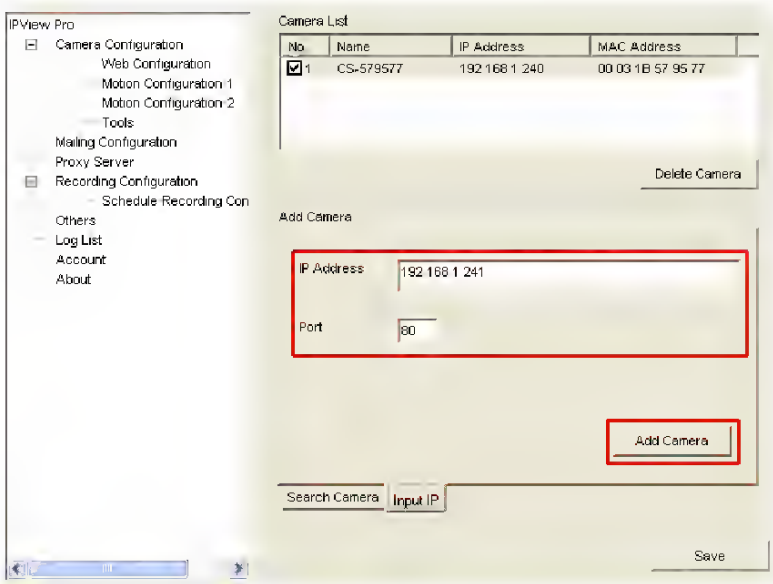
9.2.2 Adding Camera using the Input IP Method

An alternative way to add your local camera to the Camera List is to use the Input Method. If you want to add a camera located on a remote network (through the Internet), you must use this method.

Step 1 Select the **Input IP** tab.



Step 2a For local camera, enter the **local IP Address** of your camera and click **Add Camera**. Skip to **Step 3**.



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POST Error Messages *Continued*

Error Code	Audible Beeps L=Long S=Short	Probable Source of Problem	Action
605-Diskette Drive Type Error	2S	Mismatch in drive type.	Run the System Configuration Utility to set diskette type correctly.
702-A coprocessor has been detected that was not reported by CMOS	None	Installed coprocessor not configured.	Run the System Configuration Utility and correct.
703-CMOS reports a coprocessor that has not been detected	2S	Coprocessor or configuration error.	1. Run the System Configuration Utility and correct. 2. Replace the coprocessor.
1151-Com Port 1 Address Assignment Conflict	2S	Both external and internal serial ports are assigned to COM1.	Run the System Configuration Utility and correct.
1152-Com Port 2, 3, or 4 Address Assignment Conflict	2S	Both external and internal serial ports are assigned to COM2, COM3 or COM4.	Run the System Configuration Utility and correct.
1600-Server Manager/R Failure	None	Server Manager/R board failure. Error code displays after error message.	Run Diagnostics. Replace failed assembly as indicated.
1610-Temperature violation detected. Waiting for system to cool	2S	Ambient system temperature too hot.	Check fan in system environment.
1611-Fan [fan description] failure detected	2S	Required fan has failed.	Check fans.
1611- Fan [fan description] not present	2S	Fan not present.	Make sure fans are plugged in.

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verfp-2.book Page 47 Tuesday, October 5, 1999 1:30 PM

Your computer comes with the following applications:

- Easy Networking
- TimeMachine
- PC-cillin
- PC Doctor
- ASM Pro Suite

All of the applications that came with your computer are very easy to use. However, if you need more help and information, you may refer to the online help documentation provided in each software application.

Peripheral Board (Non-Hot-Pluggable)

To remove the peripheral board (non-bot-pluggable):

1. Perform the preparation procedures. See "Preparation Procedures" earlier in this chapter.
2. Remove the access panel. See "Access Panel (Tower and Rack)" earlier in this chapter.
3. Unplug all power supplies. See "Hot-Plug Power Supplies" later in this chapter.

CAUTION: Power supplies must be unplugged when servicing the peripheral board.

4. Remove data and signal cables from the board. See "Peripheral Board Cables" earlier in this chapter.
5. Loosen the two T-15 chassis screws ❶ securing the peripheral board to tbe chassis.
6. Pull the ejectors levers ❷ up to loosen the peripheral board from the expansion slot.
7. Pull the peripheral board ❸ from the system board expansion slot.

CAUTION: Rotating the peripheral board release levers a full 90 degrees can cause the levers to break.

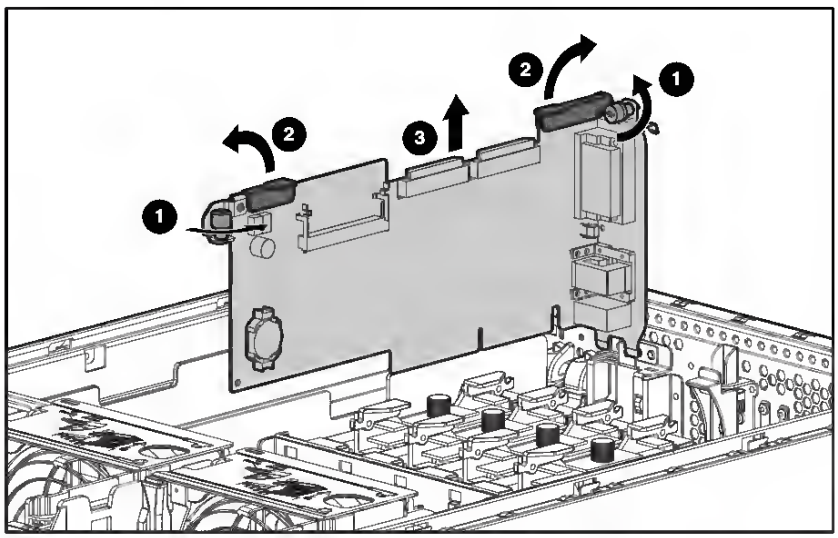

Figure 2-31. Removing the peripheral board (non-hot-pluggable)

Reverse steps 1 through 7 to replace the peripheral board (non-bot-pluggable).

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Command	Description
***DOMAIN=**[name] [?] (was *DOMAINSUFFIX)	Domain (or domain zone) which the modem is in. This value is used during name resolutions if a fully qualified name is not provided and also for DNS updates. This value can be up to 20 characters long. If ***DOMAIN=eairlink.com**, then when **ATDT@remote1** is entered, the fully qualified name **remote1.eairlink.com** will be used to perform a DNS query to resolve the name to an IP address. **Note**: Only letters, numbers, hyphen '-', and periods can be used in a domain name.
***DPORT=**n [?]	Sets or queries the modem's Device Port. Valid values are 1-65535. [See **S110**]
***DU=**n [?]	Dial UDP Always The dial command always uses UDP, even when using ATDT n = 0: dial using the means specified [default] n = 1: dial UDP always, even when using ATDT **NOTE**: When this parameter is set you *cannot* establish a TCP PAD connection.
***ENQ=**n [?]	Outputs an **ENQ** [0x05] after the TCP CONNECT delayed by the Delay Connect Response time [**S221**] n = 0: Disabled (Default) n = 1: Enables **ENQ** on **CONNECT**.
***HOSTPRIVMODE** =n [?] (was **S300**)	Set or query whether a private or public (network) IP is to be used when the Host initiates a PPP connection to the modem. n = 0 [default]: Public (network) IP Mode. When the Host initiates a PPP connection, the host will be given the public IP that was obtained from the OEM Modem. If the network issues a new IP, the PPP connection will be closed (since the IP has changed) and has to be re-initiated. n = 1: Private IP Mode. When the Host initiates a PPP connection, the host will be given the IP address specified in ***HOSTPRIVIP**. The modem will then perform NAT-like address translation, which shields the Host from network IP changes.
***HOSTPRIVIP** =d.d.d.d [?] (was **S301**)	Set or query the private IP address that is to be negotiated by the PPP connection if ***HOSTPRIVMODE =1**.
***HOSTPEERIP** =d.d.d.d [?] (was **S302**)	Set or query the IP address that can be used to directly contact the modem once a PPP connection is established. If this value is not specified, 192.168.13.31 will be used. NOTE: This is not normally used nor needed by user applications.
***IPMANAGERn=**[name][?]	Sets a domain name or IP address to send IP change notifications to. Up to two independent IP Manager servers can be set, using either **AT*IPMANAGER1** or **AT*IPMANAGER2**. Updates to a server can be disabled by setting that entry to nothing (i.e. "**AT*IPMANAGER1=**")

System Board Connectors and Sockets

Figure 5-3 and Table 5-3 show and describe the system board connectors and sockets.

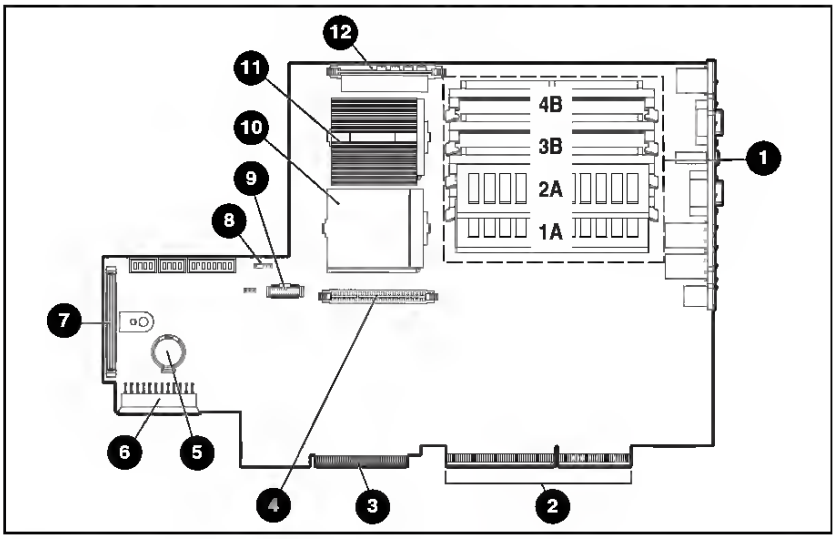

Figure 5-3: System board connectors and sockets

Table 5-3: System board connectors and sockets

Item	Description	Item	Description
❶	DIMM sockets (1-4)	❼	SCSI backplane connector
❷	PCI riser board assembly connector	❽	Fan connector
❸	CD-ROM/diskette backplane cable connector	❾	Remote Insight connector
❹	Processor power module (PPM) socket 2	❿	Processor socket 2
❺	Battery connector (populated)	⓫	Processor socket 1 (populated)
❻	Power supply connector	⓬	Processor power module (PPM) socket 1 (populated)

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Enforcement Servers

Adding an Enforcement Server

To add an Enforcement server:

NAC 800 home window>>System configuration>>Enforcement clusters & servers

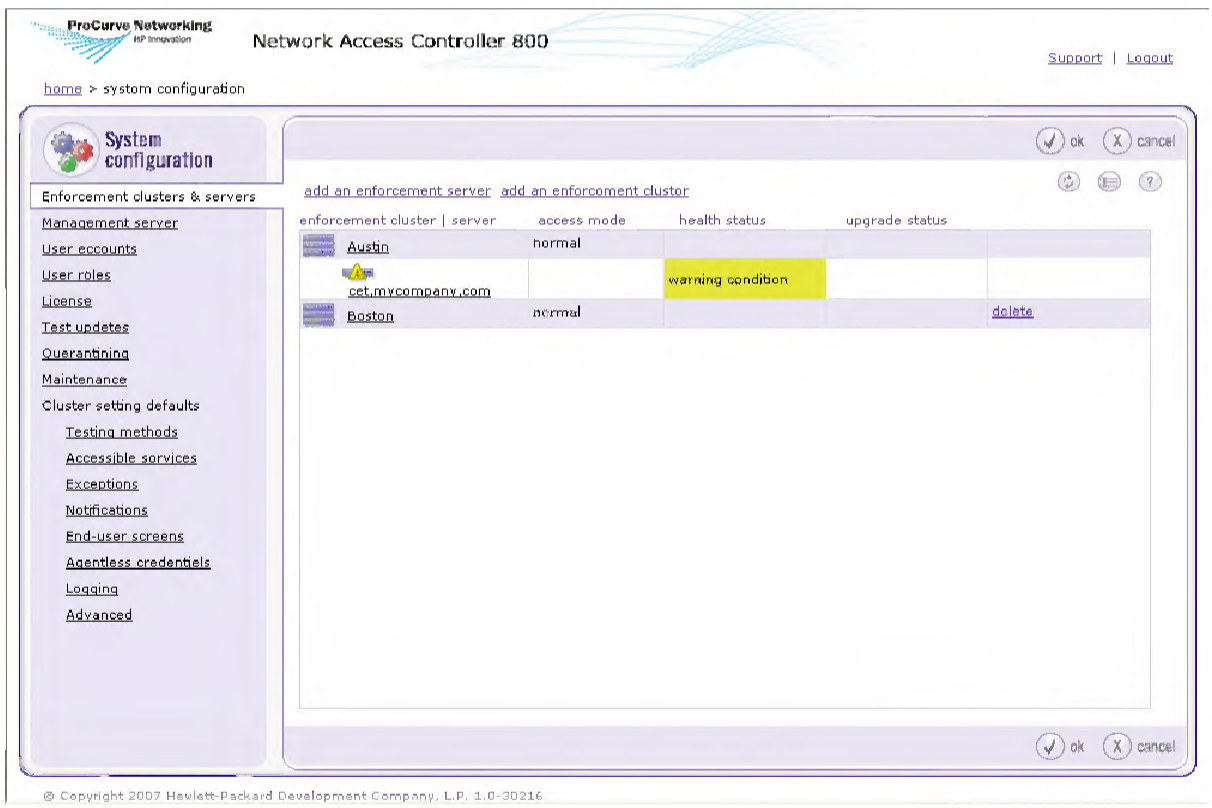

Figure 3-4. System Configuration Window, Enforcement Clusters & Servers Area

PLUMBING

WATER SYSTEM-SELF CONTAINED

Fill the water tank by opening the exterior access door and remove screw cap. A garden hose can now be inserted. It's a good idea to let the water run through the hose for a short time to flush it out. Experienced RVers usually fill their tanks with "home" water to avoid strange water that may be distasteful to them.

The amount of water in the tank may be checked on the Monitor Panel, or you may fill the tank until water overflows out of the fill.

Open the hot side of the galley or lavatory faucet and turn on the water pump switch located on the monitor panel. For some time the open faucet will only sputter. This is because the water heater is being filled and air is being pushed out through the lines. Once the water heater is full a steady stream of water will come from the faucet. Now open a cold faucet. It will sputter for a short time, but will soon expel a steady stream. All other faucets can now be opened until all air is expelled. Once the system is filled with water and the faucets closed, the water pump will shut off. When a faucet is opened the pump will come back on automatically. If the faucet is just barely open it is normal for the pump to cycle on and off rapidly.

SANITIZING

Potable water systems require periodic maintenance to deliver a consistent flow of fresh water. Depending on use and the environment the system is subject to, sanitizing is recommended prior to storing and before using the water system after a period of storage. Systems with new components, or ones that have been subjected to contamination, should also be disinfected as follows:

1. Use one of the following methods to determine the amount of common household bleach needed to sanitize the tank.

   A) Multiply "gallons of tank capacity" by 0.13; the result is the ounces of bleach needed to sanitize the tank.

   B) Multiply "Liters of tank capacity" by 1.0; the result is the milliliters of bleach needed to sanitize the tank.
2. Mix into solution the proper amount of bleach within a container of water.
3. Pour the solution (water/bleach) into the tank and fill the tank with potable water.
4. Open all faucets (Hot & Cold) allowing the water to run until the distinct odor of chlorine is detected.
5. The standard solution must have four (4) hours of contact time to disinfect completely. If you double the solution, this concentration allows for contact time of one (1) hour.
6. When the contact time is completed, drain the tank. Refill with potable water and purge the plumbing of all sanitizing solution.

NOTE: The sanitizing procedure outlined above is in conformance with the approved procedures of RVIA ANSI A119.2 and the U.S. Public Health Service.

WATER PUMP AND FILTER

The **19 ft.** model has the water pump located under the roadside front dinette seat. Access is gained by removing the wood panel under the seat cushion.

The **20 ft.** model has the water pump located under the galley. Remove the drawer under the cook top for access.

The **23 ft.** model has the lower section of the roadside wardrobe face panel hinged to open expose the pump and filter.

The **25 ft.** double, twin, and sleep six models all have the lower section of the curbside wardrobe face panel hinged to open and expose the pump and filter.

The **25 ft. Front Bed** is under the under the roadside wardrobe. The bottom cabinet panel pulls off for access.

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Quick Reference Install Guide

Security and Remote Start for: Responder HD, LCD, LED, 1-way

Important: If the IVU (control center) has been replaced, all remote controls must be re-pointed with the system. See Remote Pairing for details.

Wiring Connections

Main Harness, 6-pin connector

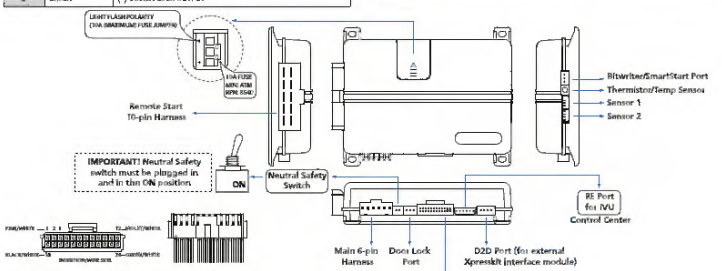
1	RED	(+) 12VDC CONSTANT INPUT
2	BLACK	(-) CHASSIS GROUND
3	BROWN	(+) SIREN OUTPUT
4	WHITE/BROWN	PARKING LIGHT ISOLATION WIRE - PIN 87a of ambient relay
5	WHITE	PARKING LIGHT OUTPUT
6	ORANGE	(-) 500mA GROUND WHEN ARMED OUTPUT

Door Lock, 3-pin connector

1	BLUE	(-) 500mA INTERLOCK OUTPUT
2	EMPTY	NOT USED
3	GREEN	(-) 500mA LOCK OUTPUT

Remote Start, 10-pin heavy gauge connector

1	NC	No Connection
2	RED/BLACK	(+) FUSED 12V ACCESSORY/STARTER INPUT
3	PINK/BLACK	(+) FLEX RELAY INPUT 87A key side (if required) of FLEX RELAY
4	PINK/WHITE	(+) IGNITION 2 / FLEX RELAY OUTPUT
5	RED	(+) FUSED 12V IGNITION 1 INPUT
6	GREEN	(+) STARTER INPUT (KEY SIDE OF THE STARTER KILL)
7	VIOLET	(+) STARTER OUTPUT (CAR SIDE OF THE STARTER KILL)
8	ORANGE	(+) ACCESSORY OUTPUT
9	RED/WHITE	(+) FUSED 12V IGNITION 2 / FLEX RELAY INPUT 87
10	PINK	(+) IGNITION 1 INPUT/OUTPUT



Auxiliary/Shutdown/Trigger Harness, 24-pin connector

1	PINK/WHITE	(-) 200mA Ignition 2/Flex OUTPUT
2	BLUE/WHITE	(-) 200mA 2ND STATUS /REAR DEFOGGER OUTPUT
3	RED/WHITE	(-) 200mA TRUNK RELEASE OUTPUT
4	BLACK/YELLOW	(-) 200mA HOME LIGHT OUTPUT
5	DARK BLUE	(-) 200mA STATUS OUTPUT
6	WHITE/BLACK	(-) 200mA AUX 3 OUTPUT
7	WHITE/VIOLET	(-) 200mA AUX 1 OUTPUT
8	ORANGE/BLACK	(-) 200mA AUX 4 OUTPUT
9	GRAY	(-) HOOD PIN INPUT (NC OR NO)
10	BLUE	(-) TRUNK PIN/INSTANT TRIGGER INPUT (N/C to N/O)
11	WHITE/BLUE	ACTIVATION INPUT
12	VIOLET/WHITE*	TACHOMETER INPUT
13	BLACK/WHITE**	(-) NEUTRAL SAFETY /PARKING BRAKE INPUT
14	GREEN/BLACK	(-) 200mA FACTORY ALARM DISARM OUTPUT

Aux/Shutdown/Trigger 24-pin Harness

15	GREEN*	(-) DOOR INPUT
16	BROWN/BLACK	(-) 200mA HORN HONK OUTPUT
17	PINK	(-) 200mA IGNITION 1 OUTPUT
18	VIOLET*	(+) DOOR INPUT
19	VIOLET/BLACK	(-) 200mA AUX 2 OUTPUT
20	BROWN	(+) BRAKE SHUTDOWN INPUT
21	VIOLET/YELLOW	(-) 200mA STARTER OUTPUT
22	GRAY/BLACK	(-) DIESEL WAIT TO START INPUT
23	ORANGE	(-) 200mA ACCESSORY OUTPUT
24	GREEN/WHITE	(-) 200mA FACTORY ALARM ARM OUTPUT

* Required connection for manual transmission vehicles.
** Ground this wire for automatic transmission vehicles or connect to the parking brake wire for manual transmission vehicles (see owners guide for manual transmission procedure).

Important: NEVER connect 200mA low current outputs directly to a motor or high current device WITHOUT a relay.

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Guide Translations

For a Spanish or French version of the Installation Guide, please download it from www.firstech.com under "Resources".

Traducción de los manuales:
Para obtener una versión en Español o Francés del Manual de Instalación, descárguela de www.firstech.com haga el título "Recursos" ("Resources").

Traduction du guide:
Pour une version française ou espagnole du guide d'installation, veuillez le télécharger à www.firstech.com sous «Ressources».

Installation Points

Adjusting the Sensor

Adjusting the sensor:
Important: Make sure the vehicle is disarmed. The shock sensor sensitivity can be adjusted by using a trimmer tool to turn the potentiometer.

Turn the potentiometer clockwise to increase sensitivity and counterclockwise to decrease sensitivity.

Note: You can test the new setting by cautiously impacting the vehicle with increasing intensity while noting the LED status on the shock sensor. When testing the sensor, warn away trigger is indicated by a short LED flash and full trigger is indicated by a longer LED flash.

Learning the Tach (not needed with Virtual Tach)

To learn the tach signal:
1. Start the vehicle with the key.
2. Within 5 seconds, press and hold the Control button.
3. After 3 seconds the status LED on your Control Center lights constant when the tach signal is learned.
4. Release the Control button.

Important: This unit can learn the tachometer with the analog input or through d2d using an interface module. The unit confirms which source is used by flashing the parking lights. When programming tach learning with:
- Analog, the parking lights flash one time.
- D2D interface module, the parking lights flash twice.

If the tachometer input on the system is connected to the vehicle, the d2d tachometer input is ignored.

Initializing Virtual Tach (not needed with hard-wired tach inputs)

To program Virtual Tach:
1. After the install is complete, **remote** start the engine. The programming operation may require 3 cranks of the starter before the engine starts and runs. Do not turn off the remote start if this happens, it is a normal programming operation.
2. Once the engine begins running, let it run for at least 30 seconds.
3. Using the Remote, send the Remote start command to turn remote start off. Virtual Tach is programmed.

To reset Virtual Tach, go into the Remote Pairing section of this guide and **press/release** the Control button 4 times for step #4, then **press** and hold the Control button to reset Virtual Tach. Virtual Tach cannot be reset with the Bitwriter.

Note: Virtual Tach cannot be used in MTS Manual Transmission Mode. It is also not recommended for diesel vehicles.

Virtual Tach handles disengaging the starter motor during remote starting – it does not address overrev. If the customer wants to have the overrev protection capability, the tach wire must be connected.

Important: After successfully learning Virtual Tach, a small minority of vehicle starters may over crank or under crank during remote start. The Bitwriter can be used fine tune the starter output time in 50 ms increments to compensate for such an occurrence.

Remote Start Shutdown/Startup Diagnostics

To perform shutdown diagnostics:
1. With the ignition Off, **press** and hold the Control button (on Control Center).
2. Turn the ignition On and then back Off while holding the Control button.
3. **Release** the Control button.
4. **Press** and **release** the Control button. The status LED flashes to report the last shutdown for one minute or until the ignition is turned on, as shown in the following table:

Status LED Flashes	Shutdown Mode
1 flash	Runtime expired
2 flashes	Overrev shutdown
3 flashes	Low or no RPM
4 flashes	Transmitter shutdown (or optional push button)
5 flashes	(+) Brake shutdown
6 flashes	Hood shutdown
7 flashes	Timer mode/Turbo mode/Manual mode error *
8 flashes	Neutral safety shutdown
9 flashes	Low battery (voltage mode)
10 flashes	Alarm triggered **
11 flashes	W/Hotstat input timed out

* Timer mode error: Ignition is on or shutdown input is active when activating timer mode.
Turbo mode error: Turbo mode is programmed off, engine is not on or shutdown input is active.
Manual mode error: MTS mode not enabled.
** Alarm was triggered during remote start sequence.

Startup Diagnostics: If the vehicle fails to activate the remote start, the remote start module will notify you via parking light flashes on the vehicle to identify the no-start situation.

Parking Light Flashes	
5 flashes	Brake wire is active
6 flashes	Hood pin wire is active
7 flashes	Manual transmission mode is enabled and not initialized.
8 flashes	Neutral safety wire has no ground or the neutral safety switch is Off.

Table of Zones

A zone is represented by the number of status LED flashes used by the system to identify a particular type of input.

Zone	Description	Input Description
1	Trunk Pin	24 pin Blue wire
2	Instant trigger: a heavier impact detected by the shock sensor	Shock sensor
3	Door switch trigger	24 pin Green or Violet wire
4	Instant trigger: For optional sensor	Optional MUX port
5	Ignition trigger	Heavy gauge 10 pin Pink wire
6	Hood Pin	24 pin Gray wire

Bitwriter - Only Options

If programming with the Bitwriter®, the learn routine can be locked or unlocked. If the learn routine has previously been locked, it must be unlocked with Bitwriter® - this cannot be done manually with the Control button.

The Bitwriter® gives you access to a wider range of system options. These features and the adjustments that may be programmed are described under the Bitwriter section in the full online guide.

Bitwriters with a date code of 6a or older require an IC upgrade (p/n 99IM). Some Bitwriters with a date code of 6B do not require the IC upgrade, refer to tech tip # 1112 for more information.

DATA HI DATA™

The Bitwriter® (p/n 90PU) requires dsp version 2.7 or newer to program this unit.

See full Installation Guide for more detailed information. Such information and more can be found online at: www.directechs.com

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